

ARTISTIC PEAK

Discovery Pass

# SCIENCE AND CRAFTS

Leader Guide



EXPERIMENT GORGE



# Discovery Pass Science and Crafts

## COURSE OVERVIEW

	Day 1	Day 2	Day 3	Day 4	Day 5
Title	B	I	B	L	E
<b>Treasure Point Lesson Focus</b>	Book of Books  The Bible is the coolest book on the planet, unique in so many ways.	Incredible Impact  The Bible's message has had an incredible impact on the earth.	Bedrock Base  The Bible is the bedrock foundation to build our lives on.	Letter of Love  The Bible has a thrilling theme running throughout its pages.	Exciting to Explore  The Bible is exciting to explore! Let's learn it, love it, and live it.
<b>Bible Passages</b>	The Bible Is One-of-a-Kind (Selected Verses)	Saul's Life Is Transformed (Acts 9:1–22)	The Wise Man Builds His House on the Rock (Matthew 7:24–29)	The Gospel Is a Message with Love (Selected Verses)	Mary Loves to Soak in God's Words (Luke 10:38–42)
<b>Bible Gem</b>	All Scripture is given by inspiration of God . . . 2 Timothy 3:16	Your word is a lamp to my feet and a light to my path. Psalm 119:105	Therefore whoever hears these sayings of Mine, and does them, I will liken him to a wise man who built his house on the rock. Matthew 7:24	But God demonstrates His own love toward us, in that while we were still sinners, Christ died for us. Romans 5:8	I rejoice at Your word as one who finds great treasure. Psalm 119:162
<b>Animal Pal</b>	Blizzard the Polar Bear	Snowball the Arctic Hare	Spike the Narwhal	Shaggy the Musk Ox	Dash the Siberian Husky
<b>Apologetics Focus</b>	Did you know the Bible isn't like any other "religious" book?	Did you know the Bible's teachings have positively influenced cultures around the world?	Did you know science, history, and fulfilled prophecies confirm the Bible?	Did you know the earth didn't start out with polar ice caps?	Did you know we need the Holy Spirit to help us understand the Bible?
<b>Discovery Pass Science and Crafts</b>	Experiment: It's Snow Unique! Main Craft: Icebreaker Fishing	Experiment: Slip and Grip Main Craft: Northern Lightscape	Experiment: Solid Ground Main Craft: Lil' Log Cabin	Experiment: H2Ohhh!!! Main Craft: "White as Snow" Globe	Experiment: Arctic Exploration Main Craft: Amazing ACE Dogsled Race
<b>Glacier Gap Games</b>	Welcome to the Arctic Silly Snowmen	Snowball Fight Mad/Glad Game	Battle for the Base Make It or Break It	Circle Up Finding Your Way	Iditarod Race Broom Hockey
<b>Klondike Corner Snacks</b>	Scripture Scrolls Snowflake Cookies (Psalm 119:18)	Snow Ball Butterflies Tundra Transformers (Psalm 19:7)	Happy Hearts Ocean Jammers (Psalm 19:8)	Gold Nuggets Snow S'Mores (Psalm 19:10)	Treasure Treats Husky Puppy Chow (Psalm 19:11)
<b>Cool Contests</b>	Frosted Food Fun	Chilly Cheers	Polar Dress-Up Day	Bible Books Challenge	Mission Money Mania



# CONTENTS

## Limited license to copy:

A limited license is available to make copies of this book. You may make copies of portions of the book if 1) you are the purchaser; 2) the copies are used exclusively for non-commercial purposes within your church or organization (an entire denomination is not considered a "church" or "organization" under this license); and 3) you follow the instructions provided in the book.

*Discovery Pass Science and Crafts*

Copyright © 2016 Answers in Genesis. All rights reserved. Limited license to copy.

Project Coordinator: Stacia McKeever  
 Written by Randy and Barb Witt, Greg and Bethanne Witt, Christa Sexton, and Krista Black  
 Edited by Evonne Krell  
 Interior layout by Diane King  
 Cover design by Jon Seest  
 Craft illustrations and patterns by Paul Agner

Unless otherwise noted, all Scripture quotations are taken from the New King James Version.

Copyright © 1982 by Thomas Nelson, Inc. Used by permission. All rights reserved.

For more information, write:  
 Answers in Genesis, PO Box 510, Hebron, KY 41048  
 Printed in China.

<b>Handy Helps</b> . . . . .	<b>3</b>
Let's Warm Up . . . . .	3
Our Goal . . . . .	3
Your Role . . . . .	4
Frequently Asked Questions . . . . .	4
Terms to Know . . . . .	4
Top 20 Tips for Discovery Pass Science and Crafts . . . . .	5
<b>Top of the World Tunes</b> . . . . .	<b>6</b>
<b>Bible Gem Review</b> . . . . .	<b>7</b>
<b>Mission Moment</b> . . . . .	<b>9</b>
<b>Toddler Crafts</b> . . . . .	<b>17</b>
<b>Experiments</b>	
Day 1: It's Snow Unique! . . . . .	19
Day 2: Slip and Grip . . . . .	21
Day 3: Solid Ground Part 1: Permafrost Demonstration . . . . .	23
Day 3: Solid Ground Part 2: Snowshoe Experiment	25
Day 4: H2Ohhh! Experiment 1 . . . . .	27
Day 4: H2Ohhh! Other Experiments . . . . .	29
Day 5: Arctic Exploration . . . . .	31
<b>Crafts</b>	
Day 1: Icebreaker Fishing (V. 1) . . . . .	33
Day 1: Icebreaker Fishing (V. 2) . . . . .	35
Day 2: Northern Lightscape (V. 1) . . . . .	37
Day 2: Northern Lightscape (V. 2) . . . . .	39
Day 3: Lil' Log Cabin (V. 1) . . . . .	41
Day 3: Lil' Log Cabin (V. 2) . . . . .	43
Day 4: "White as Snow" Globe (V. 1) . . . . .	45
Day 4: "White as Snow" Globe (V. 2) . . . . .	47
Day 5: The Amazing ACE Dogsled Race . . . . .	49
Day 5: Treasure Box . . . . .	51
Extra: Blizzard in a Bottle . . . . .	52
Extra: Book of Books Soap Bible . . . . .	53
Extra: Snowflake Coaster . . . . .	54
Extra: Fleece Headband . . . . .	55
Extra: Baby Snowy Owl . . . . .	56
<b>More Crafts for All Ages</b> . . . . .	<b>57</b>
<b>Shopping List</b> . . . . .	<b>59</b>
<b>Experiments and Missions Supply Lists</b> . . . . .	<b>60</b>



# HANDY HELPS

## LET'S WARM UP!

*Beyond thrilling! Exciting to explore! Breathtakingly beautiful! Full of treasure!* Words that describe the Arctic for sure, a fascinating region like no other in the world. But go back and read those words again—they can also be used to describe the coolest book on the planet—the Bible. It's mind-blowing to think that the God who made the universe wrote us a book—a book that is *beyond thrilling, exciting to explore, beautiful, and full of treasure*. Now if that isn't worthy of our attention, what is? We here at Answers VBS can hardly contain our excitement as we launch the newest VBS—*Operation Arctic*. Get ready for the thrill of exploring this one-of-a-kind treasure as we build on the following BIBLE acronym each day:

**B Book of Books**—The first day, we'll discover there's just no book like it, unique in so many ways!

**I Incredible Impact**—The second day, we'll explore the impact the Bible's teachings have had upon our world!

**B Bedrock Base**—The third day, we'll see there's no shifting sand here—we've got the Rock of God's Word to base our lives on!

**L Letter of Love**—The fourth day, we'll encounter the best love letter ever, written to us by God Himself!

**E Exciting to Explore**—The fifth day, we'll be challenged to learn it, love it, and live it!

Our explorers will begin warming up to the Word from the very first minute they arrive at *Operation Arctic*. The mission begins at **Snowfall Station** with the Opening Assembly, a high-energy opening with entertaining welcomes, rockin' songs, a mission moment, and prayer.

Then we're off to four fun rotation sites:

- **Treasure Point**, the Bible lesson location. Here, explorers discover what a gem God's Word is as they learn important Bible truths in fun and creative ways.
- **Klondike Corner**, the snack spot. Explorers won't want to pass up the cool treats that are waiting to melt in their mouths.
- **Glacier Gap**, the recreation location. At this spot, explorers discover that preparation is "snow" easy and games are filled with chills and thrills.
- **Discovery Pass**, the science, craft, music, mission, and memory verse spot. This location features a wide array

of activities to choose from: science experiments, crafts, songs to sing, memory verse games to play, and a mission time (for those who want to spend more time than is given during the Assembly).

After finishing the day's rotations, everyone heads back to **Snowfall Station** for the Closing Assembly that includes more singing, a Creature Feature, contest results, and the greatly anticipated daily drama, which is a highlight of the kids' day. The drama begins in the city with a high-powered executive who is fed up with the rat race. He decides to move to the wilderness for a quieter, simpler existence. Little does he realize all that's in store—missing treasure, goofy bad guys, unexpected visitors, and plenty of action!

Sound fun? Then let's plunge on in to this cold *world* and God's wonderful *Word*! It promises to be a flurry of fun and excitement at *Operation Arctic*! Let's go!

## OUR GOAL

It's been ten years since Answers in Genesis entered the world of VBS, and we are so thankful for how God has chosen to use these programs! But why did we decide to embark on such an undertaking in the first place, and why are we still at it, by God's grace, ten years later?

Our primary goal has remained the same all these years—to bring God glory by boldly and unashamedly proclaiming Him to a strategic group—young people! From both a biblical and statistical point of view, young people are a big deal! They're not only awesome—we love 'em!—but they're also dearly cherished by our Lord and tend to be soft-hearted toward spiritual things. Researchers generally agree most people become Christians when they're children, so it's apparent this age group is a huge mission field!

Children are loved by their Creator. Jesus said not to hinder the children but to let them come to Him (Luke 18:16). We want children to come to Christ and not be hindered in any way from doing so. To that end, our philosophy has always been to combine a biblically rich VBS loaded with substance with off-the-chart, irresistible fun. In a day and age when content sometimes suffers, it's critically important to us not to sacrifice rich content at the expense of fun. But it's also crucial that the most exciting Book in the world doesn't come across as irrelevant or dry. We want to reflect our creative, inspiring, joy-giving God who made laughter and fun!

So why do we do it? We want kids around the world to hear about and personally meet our awesome God and to

understand how they can receive eternal life through repentance and faith in Christ Jesus. We believe VBS is a great way to introduce them to God, as it is one of the biggest outreaches of the year for most churches.

We pray you will find that every prayer prayed, every minute invested, every dollar spent, and every word spoken will bring God glory as you reach kids for Christ. Just remember—VBS is worth it! May God richly bless your VBS.

## YOUR ROLE

Your role as the Craft Coordinator is outlined in the following pages. Your responsibilities may include:

- Planning crafts for all age levels
- Overseeing others who help with crafts
- Organizing sign-up for donations of craft materials
- Buying all extra supplies that have not been donated
- Enlisting help and preparing necessary craft supplies ahead of time
- Acting as the presenter of the crafts during VBS or overseeing others who present the crafts

- Overseeing the set up and clean up of the craft area(s) each day
- Making sure key lesson themes are reinforced through the crafts
- Praying over all aspects of this job before, during, and after VBS

This is *your* guide. Read it carefully and prayerfully, using our suggestions combined with the ideas the Holy Spirit brings to your mind.

So get ready! Get set! God is about to use you and your church to impact lives.

## FREQUENTLY ASKED QUESTIONS

The content of *Operation Arctic* may be new to you. For a list of helpful articles on the topics covered in this VBS program, please visit [AnswersVBS.com/oafaq](http://AnswersVBS.com/oafaq).

## TERMS TO KNOW

Throughout the VBS curriculum, various terms will be used. Here's a list of some of the most common terms to know.

- **Explorers:** Children at VBS. Explorers will be put in teams named after animals they may see on an Arctic exploration (e.g., polar bears, beluga whales, snowy owls, harp seals, caribou).
- **Guides:** Team leaders who lead the teams from place to place during VBS. No teaching is required of this position.
- **Exploration Leaders:** Teachers at the Treasure Point Lesson Time.
- **Treasure Point:** Rotation site where Bible and apologetics teaching occurs.
- **Snowfall Station:** Spot where everyone joins together for the opening and closing assemblies.
- **Discovery Pass:** Rotation site where crafts are made, science experiments are performed, music is sung, memory verses are learned, and missions around the world are explored.
- **Klondike Corner:** Indoor or outdoor site where snacks are served.
- **Glacier Gap:** Indoor or outdoor site (outdoor is preferred) for game time.
- **Bible Gem:** Daily memory verse.
- **Animal Pals:** Friendly animal mascots used to emphasize the key point of each day's lesson.
- **Creature Feature:** Daily time during the closing assembly when we marvel together at God's design of various Arctic animals.
- **Toddlers:** 2–4-year-olds.
- **Pre-Primaries:** 4–6-year-olds, or 4-year-olds through children who have completed Kindergarten.
- **Primaries:** 6–9-year-olds, or children who have completed grades 1–3.
- **Juniors:** 9–12-year-olds, or children who have completed grades 4–6.

For multi-age K–6th teams, we recommend using the material for the Primaries.

# TOP 20 TIPS FOR DISCOVERY PASS SCIENCE AND CRAFTS

1. Pray! Study God's Word and the VBS lessons! This is your most important preparation. Give all concerns to the Lord, and watch *Him* do great things!
2. This guide offers main craft and science experiment suggestions, as well as ideas for extra crafts and craft kit options. Some are more involved, and some are simple and quick. Think through your time and resources and decide which crafts and/or science experiments you will do each day. There are also suggestions for a memory verse time, a music time, and a mission time. Feel free to fill this time by choosing from any of these options.
3. Gather faithful helpers who will prepare items well before VBS. Record their names, addresses, phone numbers, and email addresses so you can contact them quickly and easily.
4. Make a sample of every craft before you meet with your craft team for the first time so they can visualize what you are presenting. Each team member should make a sample of every craft so they are familiar with all the steps. Try out each science experiment ahead of time also.
5. Host "Craft Shops." Workers can drop by and pick up something to work on at home, or they can stay for part or all of the time. Assembly lines can be set up to prep crafts quickly. Weekday or Saturday mornings from 9 a.m. to noon, complete with doughnuts and coffee, can be an enjoyable time.
6. Use an office paper cutter for pre-prep cutting of patterns or paper that ends up being either square or rectangular-shaped. It goes much faster than cutting with scissors. Make sure to remove the paper cutter from the craft rooms before the kids arrive, however! The same goes for any supplies that could be dangerous to kids, like miter saws, knives, etc. They all need to be put away in a safe place.
7. Be prepared. Organize crafts into individual kits for each child, using baggies or lunch sacks. Place the individual kits into boxes labeled for each rotation. Organize science experiment supplies as well.
8. Write out a few theme-related jokes or riddles for each day. Display them at each craft table. They act as an easy icebreaker and add to the fun!
9. Cover the craft/science room floors with old sheets or tarps and the table tops with plastic tablecloths.
10. Craft glue (also called tacky glue) works better than school glue. Toothpicks work well for dipping.
11. Permanent markers in vibrant colors can be a good alternative to paint. They work on most surfaces—paper, wood, fabric, and plastic.
12. Decorate the room to correspond with the fun theme. See the *Director Guide* Decorating Decisions section for possible ideas. Play VBS music to set the mood. Display the memory verses on each table or around the room in various locations.
13. Place a sample of each craft on every craft table during VBS so children can visualize what they will be making.
14. Overhead projectors can be used to display craft and/or science experiment directions.
15. Use this time to engage in conversation and share God's love. Be ready to offer smiles, hugs, and laughs. (Be aware of your church's appropriate touching policies.) Also, be ready to help children who are easily frustrated. Helping with steps requiring physical dexterity does not take away from the fact that the child did the craft or experiment.
16. To reinforce the day's lesson, ask the children a few questions about what they are learning. Also, make sure to share the teaching tie-in at the beginning of each craft or science experiment time.
17. Print the daily memory verses on address labels and place on crafts, if possible.
18. Give leftover craft supplies to sick children, shut-ins, staff members, another VBS, or your church's craft depository.
19. Always, always, always put names on crafts! Strips of masking tape work well for name labels.
20. This book is loaded with fabulous stuff, more than you'll probably be able to do, so consider incorporating unused ideas at other times during your ministry year.

# TOP OF THE WORLD TUNES

## ALL AGES

This section is for those who may want to add a music rotation to their schedule. A Music Leader Set (either contemporary or traditional) is included with the purchase of a Super Starter Kit or is available to purchase separately. Check with your Director for the set.

To help the children learn the VBS songs, spend some time singing them during this rotation. The theme song is fun to sing every day, along with several other songs. Choose the songs your kids will enjoy and repeat them throughout the week or use the suggestions given below. You may also want to include the day's memory verse song (see Bible Gem Review section). The Memory Verse Leader Set includes hand motion videos, song lyric videos, and audio files for you to choose from.

### Materials

- Music Leader Set (available with the purchase of a Super Starter Kit or at [answersbookstore.com](http://answersbookstore.com) [contemporary: 11-5-059; traditional: 11-5-060])
- Top of the World Tunes Station Poster (11-5-034)

### Day 1

"Operation Arctic"

Contemporary: "Look in the Book"

C: "Standing on the Promises"

Traditional: "The Wise Man Built"

T: "The Bible Stands"

### Day 2

C: "Look in the Book"

C: "The Word"

C: "Learn It, Love It, Live It"

T: "The Bible Is My GPS"

T: "Heir of Heaven"

T: "Choose Right"

### Day 3

C: "The Word"

C: "Solid Ground"

C: "Standing on the Promises"

T: "The Bible Stands"

T: "Stay the Course"

T: "Standing on the Promises"

### Day 4

C: "Solid Ground"

C: "Love Letter"

C: "Look in the Book"

T: "Heir of Heaven"

T: "The Wise Man Built"

T: "Stay the Course"

### Day 5

C: "Love Letter"

C: "Learn It, Love It, Live It"

C: "Solid Ground"

T: "The Bible Is My GPS"

T: "Choose Right"

T: "Standing on the Promises"

# BIBLE GEM REVIEW

## ALL AGES

This section is for those who may want to add a memory verse rotation to their schedule. A Memory Verse Leader Set (either contemporary or traditional) is included with the purchase of a Super Starter Kit or is available to purchase separately. Check with your Director for the set. Display the memory verse posters in your area.

To review the memory verse, play the appropriate song from the Memory Verse Leader Set (either video or audio) several times and encourage children to sing along. Then play a game to review the verse.

You may want to combine this with a Top of the World Tunes time.

### Materials

- Memory Verse Songs Leader Set (available with the purchase of a Super Starter Kit or at [answersbookstore.com](http://answersbookstore.com) [contemporary: 11-5-069; traditional: 11-5-063])
- Bible Gem Station Poster (11-5-035)
- Memory Verse Posters

### Day 1

To review today's verse, use your arm as a volume indicator. Hold your arm out to your side and lower it for "soft," raise it high for "loud" with variations on the loudness throughout. Children say the verse based on the volume you indicate with your arm. Change the volume before the kids say the verse or as they're saying it. Choose one or two children to also control the volume while the others say the verse.

**Theme Verse: "Open my eyes that I may see wondrous things in Your law." Psalm 119:18**

**All ages: "All Scripture is given by inspiration of God . . . ." 2 Timothy 3:16 (NKJV)**

**"All scripture is given by inspiration of God . . . ." 2 Timothy 3:16 (KJV)**

### Day 2

To review today's verse, write action words that have to do with the Arctic (hiking, ice fishing, digging, ice skating, skiing, snowmobiling, throwing a snowball, building a snowman, etc.) on individual pieces of paper and place in a paper bag.

Kids can take turns drawing out a piece of paper. Everyone who has done that activity stands and says the verse.

**Juniors and Primaries: "Your word is a lamp to my feet and a light to my path." Psalm 119:105 (NKJV)**

**"Thy word is a lamp unto my feet, and a light unto my path." Psalm 119:105 (KJV)**

**Pre-Primaries and Toddlers: "Your word is a . . . light to my path. Psalm 119:105 (NKJV)**

**"Thy word is a . . . light unto my path." Psalm 119:105 (KJV)**

### Day 3

To review today's verse, children toss a white ball (a "snowball") to each other as they say the verse.

**Juniors and Primaries: "Therefore whoever hears these sayings of Mine, and does them, I will liken him to a wise man who built his house on the rock." Matthew 7:24 (NKJV)**

**"Therefore whosoever heareth these sayings of mine, and doeth them, I will liken him unto a wise man, which built his house upon a rock." Matthew 7:24 (KJV)**

**Pre-Primaries: ". . . A wise man . . . built his house on the rock." Matthew 7:24 (NKJV)**

**". . . A wise man . . . built his house upon a rock." Matthew 7:24 (KJV)**

### Day 4: Juniors and Primaries

Before class, divide the verse below into 7 phrases and write each phrase on a different color paper—green, black (with white lettering), blue, gray, red, white, and yellow. Make as many verse sets as you'll need for your teams (consider having 3–4 kids on a team). Divide into teams, with each team getting a set of the color cards that have the verse on them. Each team has to get their phrases into the correct order. This can be done as a relay race or with them getting their color cards out of a manila envelope and working to get them in order. The first team to have them together and say the verse correctly wins.

You can also use these cards to review the gospel presentation given today during the Bible lesson time. Green stands for the beautiful world God originally made in six days, unmarred by sin. Black (dark) stands for the entrance of sin



in the world when Adam disobeyed God's command and ate the forbidden fruit. The penalty for sin is death. Blue stands for the time of Noah when God judged the sin of mankind with a global flood, saving only Noah and his family on the Ark. Gray stands for the time at Babel when God dispersed Noah's descendants over the earth by confusing their languages. Each one of us is a descendant of Adam and is in need of salvation from sin. Red stands for the blood that Jesus shed on the Cross as He paid the penalty for our sin and then rose from the dead. White stands for the cleansing we receive when we repent of our sin and believe that Jesus died in our place and rose from the dead. Yellow stands for heaven and the gift of eternal life we receive when we become a child of God.

**Juniors and Primaries: "But God demonstrates His own love toward us, in that while we were still sinners, Christ died for us." Romans 5:8 (NKJV)**

**"But God commendeth his love toward us, in that, while we were yet sinners, Christ died for us." Romans 5:8 (KJV)**

#### **Day 4: Pre-Primaries and Toddlers**

Ahead of time, divide the verse below into 5 words and write each one on a different color paper—green, black (with white lettering), red, white, and yellow. You may want to add a simple picture with each, such as a face for Christ, a cross for died, the number 4 for for, and a few stick people for us, plus the reference on the fifth card. (See the Day 4 Gospel presentation in the Pre-Primary or Toddler teacher guide to see what each color represents. You can use this to review the gospel message.) For the game itself, divide into teams, with each team getting a set of the color cards that have the verse on them. Each team has to get their words into the correct order. This can be done as a relay race or just with

them getting their color cards out of a manila envelope and working to get them in order. The first team to have them together and say the verse correctly wins.

**Pre-Primaries and Toddlers: ". . . Christ died for us." Romans 5:8 (NKJV)**

**". . . Christ died for us." Romans 5:8 (KJV)**

#### **Day 5: Juniors and Primaries**

Write the verse on cards and place in a treasure box. Make two sets. Line up the kids into two lines. Place the boxes on the opposite side of the room. On "GO!" the first member on each team runs down, opens the box, and reads the verse. Then the player runs back and high fives the next person on the team, who does the same thing. Continue until all players have gone.

**Juniors and Primaries: "I rejoice at Your word as one who finds great treasure." Psalm 119:162 (NKJV)**

**"I rejoice at thy word, as one who findeth great spoil." Psalm 119:162 (KJV)**

#### **Day 5: Pre-Primaries and Toddlers**

Place a Bible in a treasure box. Line up the kids into two lines. Place the box on the other side of the room. On "GO!" the first member on each team runs down and says the verse while touching the treasure box. The players on the team can yell helps if necessary. Then the player runs back and high fives the next person on the team, who does the same thing. Continue until all players have gone.

**Pre-Primaries and Toddlers: ". . . Your word . . . great treasure." Psalm 119:162 (NKJV)**

**". . . Thy word . . . great spoil." Psalm 119:162 (KJV)**

# MISSION MOMENT

## ALL AGES

The VBS mission emphasis provides a unique and practical opportunity for children to learn about and participate in the work of gospel-centered ministries that serve the poor.

This year, we've partnered with Children's Hunger Fund to provide food and the hope of the gospel to hungry children through Mission: Hope Excursion.

We have also partnered with the Wild Brothers to produce daily videos that show practical applications of the teaching points on the mission field. This section is not a fundraiser for

the Wild family but is an opportunity for your kids to connect with other children who are missionaries overseas.

Each day's segment will take 15–20 minutes.

Note that the Children's Hunger Fund scripts are also provided in the Assembly Guide for those who would like to offer a mission time then. Coordinate with your director and assembly leader on who is doing what concerning the mission time.

## MISSION: HOPE EXCURSION

This week, we're exploring the wonderful depths of the Bible, God's living Word! Scripture is full of life-giving truth, and it's how we learn to live like Jesus. In many ways, it's our map to God's plan for our lives and a manual for us to learn how to serve and obey Him the way He deserves.

We'll take a moment each day to hear from children in different parts of the world and how God is working through the local church to deliver hope to them. During the Mission Moment, your class will receive a new Hope Excursion Report, where we'll meet a little girl or boy and learn about their life in a different part of the world.

Living in Peru, Zambia, Nepal, Ukraine, and the Middle East, each of these children has a unique story of poverty and struggle. They, and kids just like them all over the world, are faced with questions of where their next meal will come from nearly every day. Not only that, they don't know the truth of the gospel and the salvation offered through Jesus Christ.

There's something you and your kids can do to help!

The Bible tells us that we should give to the poor because when we do, it is an act of love and obedience to God (Proverbs 14:31). Together, we are going to do just that by delivering hope to children all over the world!

### Setting Off!

During mission time, you and your kids will set off on Hope Excursions to support local churches delivering hope and food to children in need all over the world. Your mission is to collect coins for meals that will be delivered in Children's Hunger Fund Food Paks.

A Food Pak is a 20-pound box of nutritious food that is hand-delivered to the home of a needy family by a trained volunteer from a local church in their community.

Rally your kids to raise funds for the meals that go in every Food Pak. Each meal costs only 25 cents! So, every dollar

that's raised provides four meals for hungry kids—and each meal represents an opportunity to proclaim the gospel!

**EVANGELISM OPPORTUNITY:** Answers in Genesis, Slavic Gospel Association, and Children's Hunger Fund have joined forces to create gospel tracts—available in English, Thai, Russian, Spanish, and French—which are included with each Food Pak! Samples of these colorful, kid-friendly tracts are in your Starter Kit. Purchasing the English versions of these tracts in bulk helps to fund the distribution of these tracts. See the VBS Resource Catalog for ordering information.

The following items are available on the Resource DVD-ROM or for download from [AnswersVBS.com/CHF2017](http://AnswersVBS.com/CHF2017).

- Printable Child Profiles—Five days of true stories about hungry kids in other countries. These exciting and educational prayer briefings will help your kids connect with the real needs of suffering children.
- Printable "Map of the World" activity sheet, featuring our excursion routes and locations of the children from our Hope Excursion Reports.
- Printable Mission: Hope Excursion banner artwork.
- Printable Mission: Hope Excursion artwork to help your kids track their fundraising progress.
- Printable Mission: Hope Excursion fold-up coin bank for collecting coins.

The following items are available on the Children's Hunger Fund DVD-ROM that comes with your kit or to download from [AnswersVBS.com/CHF2017](http://AnswersVBS.com/CHF2017).

- Daily Mission: Hope Excursion videos

## Purchasing Items

Included in your starter kit is a sample of the sturdy, pop-up Coin Pak bank made for your kids to use as they collect quarters for meals. Check with your Director for this sample. After VBS, these will be fun souvenirs that can be kept as reminders to always care for the needs of others. Coin Paks are available for purchase from Children's Hunger Fund (order info below).

Also included in your starter kit is a beautiful, handmade bracelet from Uganda. This is Children's Hunger Fund's gift to you in thanks for your participation in Mission: Hope Excursion. The beads on these bracelets are rolled by hand out of magazine paper by Ugandan men and women who have been trained and given fair-wage employment through one of our trusted ministry partners in Africa. A limited number of these bracelets are available for purchase to give as prizes, souvenirs, or thank-you gifts for your volunteers.

To order Coin Paks or bracelets, please visit [ChildrensHungerFund.org/AnswersVBS](http://ChildrensHungerFund.org/AnswersVBS). To place an order over the phone, call Children's Hunger Fund at 800-708-7589.

For questions regarding your Mission Moment resources, please call 800-708-7589 x 2110 or email [VBS@ChildrensHungerFund.org](mailto:VBS@ChildrensHungerFund.org).

Orders must be received 14 days prior to your VBS date. Available while supplies last.

## Collecting Donations

Give children their own Coin Pak bank for collecting donations. Work with your director to set up a fun area (e.g., treasure boxes) for kids to deposit their money each day as they begin VBS. Encourage your kids in the weeks leading up to VBS to save their money and then begin collecting the first day. Or plan on passing out the Coin Paks on Day 1 and begin collecting on Day 2.

Once you've totaled your donations, please make out a check to Children's Hunger Fund and indicate "Mission: Hope Excursion" in the memo area to ensure proper recognition, and fill out the Return Form (on the Resource DVD-ROM). Send your check with the Return Form (on the Resource DVD-ROM or online) to:

Children's Hunger Fund  
Attn: Mission: Hope Excursion  
DEPT LA 24373  
Pasadena, CA 91185-4373

Learn more about the gospel-centered mercy ministry of Children's Hunger Fund at [ChildrensHungerFund.org](http://ChildrensHungerFund.org).

## Tracking Your Progress

To help your kids maintain their excitement for Mission: Hope Excursion, announce how many meals they provided each day. Check with your director to find out when to do this: either during this time or during the opening or closing assembly time.

Here are two fun ways to help your kids see their progress as they fundraise.

1. Make your own goal tracker and update it throughout the week. Print your copy of Ryker's Thermometer and markers (cut into five pieces). Each day, fill in the thermometer using one of the markers and write the total number of meals raised so far on the corresponding line.
2. Show progress with the Mission: Hope Excursion PowerPoint slides. Update the thermometer temperature with the total number of meals raised so far.

Consider having a contest between boys and girls, or between teams, to see which group can bring in the most money. Printable artwork and PowerPoint slides for your own goal tracker are on the Resource DVD-ROM and your Mission: Hope Excursion DVD-ROM.

# THE WILD BROTHERS

Mike and Libby Wild, along with their four sons (Morgan, Hudson, Kian, and Asher), are a missionary family with New Tribes Mission, ministering to an unreached people group in Asia Pacific. Their four sons have produced six high-quality videos about their adventures living in a remote area and

exploring the jungle around them. Find out more about the Wild Brothers at [TheWildBrothers.com](http://TheWildBrothers.com).

In partnership with Answers VBS, they have also produced five short videos for you to share with your kids during this time. These videos are available on the Resource DVD-ROM and on [AnswersVBS.com](http://AnswersVBS.com).

# MATERIALS NEEDED

## EVERY DAY

- Slides for Mission: Hope Excursion for each day (Hope Excursion DVD-ROM)
- Video for Mission: Hope Excursion for each day (Hope Excursion DVD-ROM)
- Wild Brothers video for each day (Resource DVD-ROM)
- "Map of the World" activity sheet, 1 per child (Hope Excursion DVD-ROM)
- Prayer journal for each day, 1 per child (Hope Excursion DVD-ROM)
- Glue
- Child safety scissors

## DAY 1

- Coin bank, 1 per child

- Chairs, for playing musical chairs
- Top of the World Tunes* CD
- Music player device

## DAY 2

- 25–50 pennies

## DAY 3

- A bag of various coins

## DAY 5

- White paper, 1 piece per child
- Coloring supplies: pencils, crayons, markers
- Backpack or duffle bag

# DAILY SCRIPTS

## Day 1: Bedelia

Today at *Operation Arctic*, we're learning that the Bible is the Book of books! It's unique and full of treasures that can't be found anywhere else. The Bible, the Word of God, tells us that one way to show we love God is to serve those who are hungry and in need. Read Matthew 25:34–46.

All over the world, and even in our own neighborhoods, there are kids just like us whose families don't have enough to eat every day. Jesus tells us that the poor will always be among us and that we should always be generous to give whatever we can to help them—it doesn't matter how much we can do, only that we love our neighbor just as Jesus has loved us. Read 1 John 3:16–18.

We're learning all about how exciting the Bible is and that it really is one of a kind. But, to get the real treasure out of the Bible, we don't just read what it says—we actually do what it says!

Jesus loved us by giving up His life for us so that we could be forgiven and have eternal life with Him in Heaven. He gave His life without asking for anything back from us. The Bible tells us to give to others because we have received, and that when we give to the poor, it is an act of love to Jesus. Read Proverbs 14:31.

Every day this week, we're going to take a few minutes to learn more about how we can do what the Bible says and help those in need. But, we're not going to just listen—we're going to act on what the Bible says! So, we're setting off on Hope Excursions to give meals to kids that don't have enough to eat.

SHOW: "Mission: Hope Excursion" slide

We're teaming up with Children's Hunger Fund to deliver food and hope to children all over the world! Each day, we'll learn about a special girl or boy in a different part of the world and the unique problems they face. Then, after learning about them, we're going to do something to help them!

SHOW: "Hope Excursion Report—Bedelia" slide

Today, we're meeting a very special little girl in South America and we'll see how someone's obedience to the Bible has helped her family get the food they need.

SHOW Video 1—Bedelia

Child's Name: Bedelia

Country: Peru

Problem: Extreme Poverty, Hunger

Peru is a beautiful country where people from all over the world go on vacation to relax and enjoy the beaches and mountains. But many of those who actually live in Peru are poor and hungry like Bedelia.

It would be very hard to go to bed hungry like Bedelia. But, like Ryker said, there's something we can do to help. Are you ready to set off on your Hope Excursion and deliver hope to kids like Bedelia? Okay, explorers, here's our plan. Thanks to Children's Hunger Fund, churches deliver Food Paks to hungry kids and share the gospel with them—and we can help by raising meals to go in the Food Paks for only 25 cents for each meal!

We're each going to take one of these Coin Paks home (show collection boxes) and you're going to show the coin boxes to your family and friends and tell them about kids

**like Bedelia! Ask them to help you on your Hope Excursion by donating coins for meals—remember, every 25 cents provides one meal for a hungry child!**

**Starting tomorrow, bring back any coins you've collected. Then, each day we'll count how many meals you've raised so far! Together, we can deliver hope to kids in need all over the world. Not only are we raising meals for them to eat, we're also helping them hear about the good news of Jesus in the Bible!**

DO the "Map of the World" activity sheets. Pass out one per child and have them cut and paste the item for today on the map. Then collect maps when you're finished with the activity.

DO Missions Activity: Musical Chairs

This activity demonstrates the concept of scarcity. Set up chairs, facing outwards, in a circle. There should be one less chair than there are students. Play the "Operation Arctic" theme song as students walk in a circle around the chairs. When the music stops, everyone must find a seat. The student who does not find a seat is out of the game. Take away a chair from the circle and begin the music again. After each round, remove another chair until there is only one left. The last student to snag the chair is the winner! To finish the game faster with a large group, take away 2–3 chairs each round.

Discuss the following with the children after playing the game.

1. Musical chairs always leaves at least one person without a seat because there isn't enough for everyone in the game to sit down. This represents scarcity. What other important things can you think of that may be scarce?
2. In Peru, many people are hungry and poor. Not everyone always has something to eat. When poverty is rampant, basic necessities like food are scarce. How did the children feel when chairs were scarce? How would a child feel when food is scarce? How can we help people who are hungry and poor?
3. Read (or have a student read) the following passages and discuss as they pertain to helping the poor: 1 John 3:16–18; Proverbs 14:31, 22:9; Galatians 2:10.

Collect map activity sheets and keep for tomorrow. Pass out a "Hope Excursion Report—Bedelia" prayer journal and a pop-up coin collection bank to each child. Tell them where to return the banks (or coins) the next day.

Now we are going to watch a video about some young boys whose parents are missionaries to a group of people who had never read the Bible before. The Wild family is working on translating the Bible into this people group's language so they can share the truth of God's Word with them and tell them about Jesus. Mike and Libby are the parents, and the boys are Morgan, Hudson, Kian, and Asher. Let's see what the Wild brothers can share with us about the Book of books.

Play the Day 1 Wild Brothers video.

## Day 2: Inez

SHOW: "Mission: Hope Excursion" slide

**Hey explorers, as we learned yesterday, our mission project for the week is called Mission: Hope Excursion. We're working together to raise meals that cost 25 cents to help children who are hungry and hurting all over the world.**

**Every quarter we raise for Children's Hunger Fund will provide one meal for a kid just like you! These meals will be delivered to them by local church volunteers who care for them and want to share with them the good news of the Bible!**

**How many of you have started out on your own Hope Excursions to raise meals already?** Wait for participation.

**Fantastic! We're already off to an amazing start.** Determine with your director when you will announce the amount of money raised each day. If you decide to do that during this time, say the following; otherwise, modify this to fit your schedule. **I'm so proud of how many meals we've already raised—and we'll hear that number . . . after we hear our next Hope Excursion Report for the day!**

**Remember yesterday's report about Bedelia in Peru? Well, today we're meeting another special little girl, this time from the African country of Zambia. Her name is Inez (ee-NEZ).**

SHOW: "Hope Excursion Report—Inez" slide

**Like Bedelia, Inez and her family don't have enough food to eat and be healthy. What's worse, Inez's mother is very sick and the medicine she needs is very expensive.**

**Let's learn more about Inez and how we can help kids like her by watching our next Hope Excursion Report with Ryker!**

SHOW Video 2—Inez

Child's Name: Inez

Country: Zambia

Problem: Hunger, Disease

**Inez and her family are very poor. Her father, who was a copper miner in the hills of Zambia, recently died of a disease called AIDS. Inez's mother is also sick with the disease and needs a special medicine that is very expensive. This leaves little money for the family to buy food and other resources they need.**

**Inez must be very sad to lose her father and scared that her mother is sick as well. She and her sisters are also in danger of becoming sick, especially if they are weak from hunger. The good news is that a local church heard about Inez's family and is now helping them by delivering Food Paks to them regularly. Not only do they have enough to eat, but they're also hearing about the gospel of Jesus Christ in the Bible, which is having an "incredible impact" on their lives!**

**There are many other kids like Inez who need our help! Let's set off on our Hope Excursions to raise more meals so that they, too, can hear about the gospel of Jesus Christ and find hope in Him! But first, did I forget something? Was I supposed to tell you something? Oh, that's right! Who's ready to hear how many meals we've raised for kids like Inez so far? Well, we counted the coins you brought in and so far, we've raised \_\_\_\_ Food Pak meals!**

SHOW: Progress Tracker slide Day 2 and fill in current meal count.

**Awesome! Ready to set off on our Hope Excursions again and raise more meals?! Don't forget to bring your coins in tomorrow so we can keep delivering hope to hungry kids around the world!**

DO the "Map of the World" activity sheets. Pass out the maps from yesterday and have them cut and paste the item for today on the map. Then collect maps when you're finished with the activity.

DO Missions Activity: Penny Mining

One student stands in the middle of the room with their eyes closed. Pass out pennies to the other children. Have the rest of the students hide pennies (in bunches!) around the room. Once the pennies have been hidden, the student in the middle opens his eyes and begins searching for the pennies. When the student is far away from a penny bunch's location, the other students say, "Cold!" As the student draws closer to a penny bunch's location, the other students shout, "Getting warmer!" When the student is very close to the penny bunch's location, students shout, "Hot!" This continues until the student finds and collects all of the hidden bunches of pennies. Play again with another child looking for the pennies.

Discuss the following with the children after playing the game.

1. Zambia is one of the world's top sources of copper, which is what pennies are coated with. Copper miners, like Inez's father, work underground pounding the copper out of the rocks and mountains of Zambia.
2. Also in Zambia, many people suffer from a disease called AIDS. The medicine for this disease is very expensive, so they don't have much left to buy food.
3. How many pennies did the students collect? 25–50 pennies would only provide 1–2 meals for the entire group.
4. Read Psalm 72:12–14; Luke 14:12–14; Acts 20:35 (or have a student read). What do these verses teach us about helping those who are weak, like Inez and her family?

Pass out the "Hope Excursion Report—Inez" prayer journal, 1 per child.

**Now let's check in with the Wild brothers and see how the Bible has made an incredible impact on the lives of their friends.**

Play the Day 2 Wild Brothers video.

### Day 3: Bishal

SHOW: "Mission: Hope Excursion" slide

**Alright, explorers! Do you know what time it is? It's time for our Mission Moment again! We're halfway through our Hope Excursion Reports and just about ready to meet our third Hope Excursion buddy for the week.**

**Every day this week, we're working together to collect coins that will raise meals for children in need all over the world. These meals will be packed in Children's Hunger Fund Food Paks and hand delivered by local church volunteers to the homes of kids across the globe. And, every meal is a chance for a child to learn about the gospel of Jesus Christ!**

**Okay, let's get to our Hope Excursion Report.**

SHOW: "Hope Excursion Report—Bishal" slide

**Today, Ryker's going to tell us about a little boy who lives all the way on the other side of the world, in Nepal! Nepal is a beautiful country with lots of mountains and forests—and it's home to Bishal, a little boy who lives with his family in the capital city of Kathmandu.**

**Ready for the full report? Okay!**

SHOW: Video 3—Bishal

Child's Name: Bishal

Country: Nepal

Problem: Hunger, Injustice

**Poverty has led Bishal's family to the brickyards of Kathmandu, where they have essentially become slaves to the factory owners. The room they live in, which is owned by the brickyard, costs more than they are able to make. Therefore, they can never leave. Not only that, all their money goes to rent, so there isn't much left over for food.**

**Bishal's family can never leave the brickyard because they were tricked by the factory owners, who take all of their money even though they work very hard. That seems really unfair, right? But, like Ryker said, there is something we can do to help. The meals we raise this week can help kids like Bishal get the food they need to be healthy and grow.**

**And, the meals will be delivered by local church volunteers who can care for these families and tell them that God is a good God who cares for them.**

**But, before we set out to collect more meals, who wants to hear how many we've raised so far?! Okay, in just two days on your Hope Excursions, you've all raised \_\_\_\_ (number) meals! That's incredible! These meals will go directly to kids all over the world who need food and hope.**

SHOW: Progress Tracker slide Day 3, and fill in current meal count.

**We're on track to make a huge impact on the lives of kids in need all over the world, so keep up the amazing work and set off on your Hope Excursions to collect more meals!**

DO the "Map of the World" activity sheets. Pass out the maps from yesterday and have them cut and paste the item for today on the map. Then collect maps when you're finished with the activity.

DO Missions Activity: Four Corners

Separate students into corners based on random, arbitrary categories. For example, those wearing blue shirts go to corner 1, those in yellow to corner 2. Randomly assign a corner to receive all the "work" for the day. And then "pay" them from the bag of coins. Some may receive pennies, some quarters, etc. Continue playing with other categories. See who has the most money at the end (they can return the coins to you!). This will demonstrate injustice and unfairness, since whoever is in charge determines who receives work and how much each person is paid.

Suggestions for separating corners: shirt color; eye color; favorite ice cream flavor (vanilla, chocolate, strawberry, cookie dough); favorite breakfast food (pancakes, waffles, cereal, toast); favorite season (spring, summer, fall, winter).

Discuss the following with the children after playing the game:

1. Why were you split up into the groups you were in?
2. Do you think it's fair that one group had to do all the "work" because of their shirt color (or whatever reason you choose)? Was the way they were paid fair?
3. People in poverty are often treated like they are less valuable than others. In work situations, the people in charge do not treat their employees well. This is unfair and unjust treatment—the amount of money people have shouldn't allow them to mistreat others. Receiving work from these unjust authorities may be the only way that people in poverty can earn money to provide for themselves and their families.
4. Read (or have a student read) the following verses and discuss them as they apply to this topic: Psalm 35:10, 72:4; Proverbs 14:31, 31:8–9; Isaiah 10:1–3; 58:6–11.

Pass out the "Hope Excursion Report—Bishal" prayer journal, 1 per child.

**Now let's check in with the Wild brothers and see how the Bible is a bedrock base for their family and friends.**

Play the Day 3 Wild Brothers video.

## Day 4: Lena

SHOW: "Mission: Hope Excursion" slide

**Alright, explorers. Who's ready for our fourth Mission Moment for the week? Pause for participation. Me too! Let's get ready to set off and hear another Hope Excursion Report from Ryker.**

**It's been such a blast exploring the Arctic and hearing Hope Excursion Reports from all over the world with you. Remember, we're not just raising meals for these kids, we're helping make a way for them to hear about the good news of Jesus and the truth of the Bible, the greatest book in the world. We have this incredible letter of love, and now we have a way to share it with kids all over the world!**

**Before we move on to our next Hope Excursion Report, I have a little Excursion Pop Quiz for you. First question: How much does it cost to raise one meal? That's right! 25 cents! Okay, second question: If you have five dollars, how many meals does that provide? Yes! 20 meals! That's amazing!**

**So, let's get to our next Hope Excursion Report so that we can get out there and collect more coins!**

**Today, Ryker is going to tell us about a little girl who lost so much but found hope because of the kindness of others and Food Paks raised by kids like you. Her name is Lena, and she lives in a country called Ukraine.**

SHOW: "Hope Excursion Report—Lena" slide

**Are you guys ready to hear more about Lena?**

SHOW: Video 4—Lena

Child's Name: Lena

Country: Ukraine

Problem: Orphaned, War

**Lena lost her mother and father and is all alone. She didn't have any family left until a pastor took her in and started to care for her. There are many children in Ukraine and all around the world who have lost their family to violence and war.**

**I'm so thankful the pastor and his family are now caring for Lena like their own daughter. Not only that, the Food Paks we're helping to fill with our coins this week are helping their family have enough food to feed everyone.**

**Speaking of Food Paks, are you ready to hear how many meals for Food Paks we've raised so far? Okay, we have one more day of collecting coins, but so far, we've all collected enough coins to give \_\_\_ meals to kids in need! Praise God!**

SHOW: Progress Tracker slide Day 4, and fill in current meal count.

**But like I said, we still have one more day, so let's make it our biggest. Set off on your Hope Excursions and collect those coins!**

DO the "Map of the World" activity sheets. Pass out the maps from yesterday and have them cut and paste the item for today on the map. Then collect maps when you're finished with the activity.

DO Missions Activity: Lean On Me

Have each kid find a partner and sit on the floor back-to-back against each other with their arms folded across their chests or linked with their partner. On the countdown, have the kids attempt to stand up together without using their arms, only by equally pushing against each other for support.

Discuss the following with the children after playing the game:

1. Emphasize that it was only possible to get up when they relied on their partner. We need support, community, and family.
2. Orphans may have lost their families, but God can provide for them through the church community

and the people who love and care for them. It is our job to love and care for orphans, just like the pastor did for Lena.

3. Read (or have a student read) the following passages and discuss as they pertain to this topic: Psalm 82:1–4, 146:5–9; Isaiah 1:17; James 1:27.

Pass out the "Hope Excursion Report—Lena" prayer journal, 1 per child.

**Now let's check in with the Wild brothers and see how they are sharing God's letter of love with their tribal friends.**

Play the Day 4 Wild Brothers video.

## Day 5: Elias

SHOW: "Mission: Hope Excursion" slide

**Wow, can you believe we're on our last day of our Hope Excursions? You are the best explorers, and I'm so thankful we've gotten to explore the Arctic, learn about the Bible, and raise meals together all week.**

**On our first day, we learned how the Bible tells us that if we love God, we will obey Him when He tells us to serve others. This week, we've been doing just that by collecting coins for Children's Hunger Fund Food Paks, and I'm so proud of how everyone has joined in.**

**But, it's important to remember that we can always be serving others, both people we know and people we may not know, that are in need. Ask your family to help you find ways to help the poor even after VBS is over—you can still deliver hope from home!**

**Okay, we still have one more Hope Excursion Report, and I don't know about you guys but I'm going to miss our friend Ryker! Today, he's going to tell us about a little boy named Elias.**

SHOW: "Hope Excursion Report—Elias" slide

**Elias and his family had to leave their home and country because of a war. Now they are living at a camp in a new country. Let's hear how we can help kids like Elias.**

SHOW: Video 5—Elias

Child's Name: Elias

Country: The Middle East

Problem: Refugee

**Because of a terrible civil war that still rages on, Elias and his family had to flee their home and leave Syria. They, and millions of others, have left everything in order to find safety in a new home country. Sadly, they were not able to bring any of their belongings and are now in need of basic necessities like food and shelter.**



**Can you imagine having to leave your home and all of your things to go to a new country? Millions of kids just like Elias have also had to leave their homes for the same reason and are now living in tents and camps all over the world. Thankfully, there are churches and groups that are helping them through this time, just like the church that helped Elias. And WE can raise meals for them, too!**

**But, before we learn how many meals we've raised, we're going to do an activity that will help us imagine how Elias and kids like him must have felt when they had to leave their homes.**

DO the "Map of the World" activity sheets. Pass out the maps from yesterday and have them cut and paste the item for today on the map. Kids can take the maps home today.

DO Missions Activity: What Would You Take?

Pass out paper and coloring supplies. Students draw pictures of what they would take with them if they had to leave home. Challenge them to only take what is important to them. The items they choose must be able to fit inside a backpack or a duffle bag. Afterwards, collect the pictures and place them into the bag. Take out a few drawings and talk through them, asking students why they chose these items and why the items are important to them.

Discuss the following with the children after playing the game.

1. Refugees are people who must leave their homes because of war, persecution, or natural disasters. When they leave their homes, refugees can only take a few of their most important possessions.

What possessions are most important to the students? Why are they important?

2. If the students' parents asked them to take medicine in their backpack, what item would they sacrifice to make room for the medicine? Why would they sacrifice that item?
3. Read (or have a student read) the following passages and discuss as they pertain to this topic: Proverbs 3:27–28; Psalm 9:9; Zechariah 7:8-10; Matthew 25:34–46.

**Okay, does anyone want to hear the number of meals we've raised so far? You've all been bringing so many coins in, it's so exciting to see how incredible your Hope Excursions have been going. So far, all the quarters and coins and dollars you've brought in adds up to \_\_\_ meals to go in Children's Hunger Fund Food Paks!**

SHOW Progress Tracker slide—Day 5, and fill in your meal count.

**Woohoo! That's amazing! But, I know some of you are wondering what do to do with the coins you brought in today. Drop them off at the same place and tonight, at the final assembly, we'll announce the GRAND TOTAL.**

**Great work on your Hope Excursions everyone—you deliver hope!**

Pass out the "Hope Excursion Report—Elias" prayer journal, 1 per child.

**Now let's check in with the Wild brothers and see how the Bible is exciting to explore in the jungle where the Wilds live!**

Play the Day 5 Wild Brothers video.

# TODDLER CRAFTS

As with all other items used with the toddlers and young preschoolers, watch carefully that items are not choking hazards and that all items are non-toxic. Use chunky crayons. Remember to put names on all crafts as they work on them.

Plan two craft sessions a day but be prepared to skip one or both if the children need more rest time. Some of the crafts

follow the “big kids” craft time but are simplified for this level. Some are designed only for the little ones.

Decide whether you or the Craft Coordinator will be in charge of preparing the craft materials. Whatever ideas you choose, have fun with them and use them to reinforce the big themes of the week.

## THEMATIC CRAFT IDEAS

### Day 1

#### SESSION 1—ICEBREAKER FISHING

Follow the directions for the Toddler/Pre-Primary version of the Day 1 main craft, Icebreaker Fishing (p. 35).

**Teaching Tie-In:** The fish at the top of the world have to live in icy cold water. Brrr! But God made them special so they can survive in that one-of-a-kind place. God knows just how to make animals and people and things one-of-a-kind, including you and His Word. There's nobody like you, and there's no book like the Bible!

#### SESSION 2—BOOK OF BOOKS SOAP BIBLE

Follow the directions in the "Extra Crafts" section for the Book of Books Soap Bible (p. 53). Attach the ribbon to the soap Bible. The explorers will put the glue on the front and back of the soap, attach the felt, and attach the cross sticker.

**Teaching Tie-In:** The Bible is the most special book. It's the Book of Books!

### Day 2

#### SESSION 1—NORTHERN LIGHTSCAPE

Follow the directions for the Toddler/Pre-Primary version of the Day 2 main craft, Northern Lightscape (p. 39).

**Teaching Tie-In:** At the top of the world, the dark sky gets lit up by something called the Northern Lights. And the Bible is like a light, too. It's not a light in the sky or anything, but it helps us see bad things to stay away from and good things to do.

#### SESSION 2—SAUL/PAUL PLATE

Each child needs two small paper plates and one jumbo craft stick. On one plate, have them draw an angry face. On the other plate, have them draw a smiling face. Tape the craft

stick to the back of the Saul plate, then glue or tape the backs of the two plates together. Help them write the word "Saul" on the Saul side (the angry face) of the craft stick, and "Paul" on the other.

**Teaching Tie-In:** Show me your Saul plate. Show me your Paul plate. Saul and Paul were the same man, weren't they? He started as Saul, then his name changed to Paul at one point.

Before Saul became a child of God, he was a mean and nasty man, putting Christians in prison. After he became a child of God, he was happy!

Let's play a game and see if you can show me the right face when I say something.

His name was Saul. (Saul)

His name was Paul. (Paul)

He put Christians in prison. (Saul)

He was mean and nasty. (Saul)

He was stopped by a light that was the Lord. (Saul)

He was a child of God. (Paul)

He wasn't mean and nasty anymore. (Paul)

### Day 3

#### SESSION 1—LIL' LOG CABIN

Follow the directions for the Toddler/Pre-Primary version of the Day 3 main craft, Lil' Log Cabin (p. 43).

**Teaching Tie-In:** This looks like a strong house, doesn't it? You know, the Bible is nice and sturdy and strong, too. It will never change or break or let us down!

## SESSION 2—MEMORY GAME

Follow the directions in the “More Crafts” section (p. 57) for making the memory game and playing it. Prep it to the point where the toddlers are left with just coloring the cards.

**Teaching Tie-In:** Look at all these awesome animals God made! Let's try to match them up. Explain how to flip two cards over and do so. If they get a match, they get to keep it. If they don't get a match, they flip them back over.

## Day 4

### SESSION 1—“WHITE AS SNOW” GLOBE

Follow the directions for the Toddler/Pre-Primary version of the Day 4 main craft, “White as Snow” Globe (p. 47).

**Teaching Tie-In:** Look at the cross on your snow globe. Who died on the Cross? Yes, Jesus! Jesus loves you!

### SESSION 2—SNOWFLAKE STATION

Follow the directions in the “Extra Crafts” section for the Snowflake Station (p. 57). Have toddlers make the simpler snowflake possibilities.

**Teaching Tie-In:** Every snowflake is special and one-of-a-kind, and each one of you is special and one-of-a-kind, too! God made you and loves you!

## Day 5

### SESSION 1—TREASURE BOX

Follow the directions for the Toddler/Pre-Primary Day 5 main craft, Treasure Box (p. 51).

**Teaching Tie-In:** Today's craft is a little treasure box. When you use it, remember that the best treasure in the whole world is the Bible. God wants us to treasure His Word!

### SESSION 2—CATCH UP CRAFT DAY

No extra craft option is listed today, allowing time to finish any crafts from prior days. If you are caught up and the kids are still going strong, make souvenir picture frames to put a picture of each child in as a keepsake. Make sure to put the name and date on the back of each one. Or check out the other fun ideas in this guide.

# Day 1 Experiment

## *IT'S S'NOW UNIQUE!*

### EXPLORING THE SCIENCE OF SNOW AND THE UNIQUENESS OF SNOWFLAKES

#### Materials

- Dried apple slices (hidden in a lunch bag), 1 per child
- Snow Crystal Photos (see DVD-ROM), 2 sets per table
- Non-breakable magnifying glasses, 1 for every 2 children
- Non-breakable mirrors (simple rectangular), 1 for every 2 children

#### Pre-Prep

1. Photocopy the Snow Crystal Photos, and place two sets of the pictures to share on each table.

#### Class Time Directions

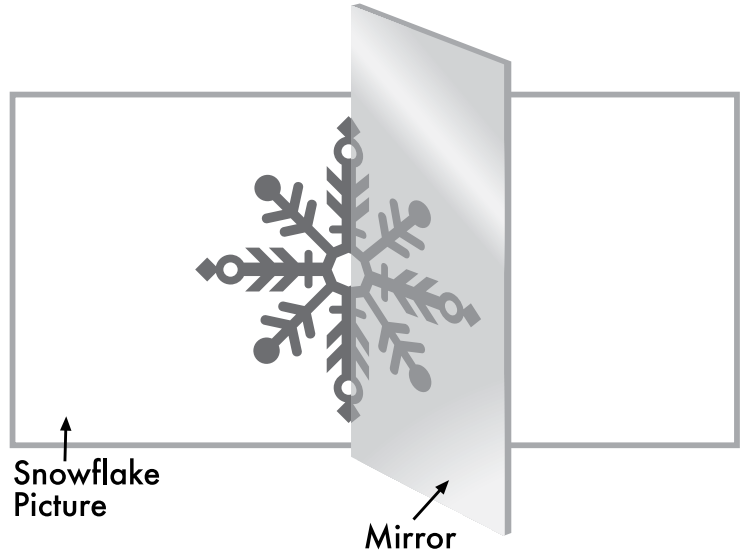
Observation is the basis of all science. God has created your body with senses that help you observe and experience your environment. Tell your neighbor how many senses you have and what they are. Do so, then have a few share their answers with the whole group.

I have something here that we're going to experience with our senses. You're going to try to guess what it is, but you need to do this without talking so you don't give away the answer. First, you're going to touch it, then smell it, then try to hear it, then taste it. You need to do all of that with your eyes closed! When you're done, you can open your eyes and see if you guessed right! Okay, everyone close your eyes and keep them closed. I will pass them out. Pass out a piece of dried apple to each child and have them experience it with their five senses.

NOTE: You can substitute something else instead of the dried apple slice if you know your kids don't have any allergies.

God gave us our senses so we can study and enjoy His creation. Raise your hand if you've ever seen a snowflake. Take show of hands. **Listened to a snowflake.** Take show of hands. **Smelled a snowflake.** Take show of hands. **Touched a snowflake.** Take show of hands. **Tasted a snowflake.** Take show of hands.

Now, raise your hand if you think snowflakes and snow crystals are different names for the same thing. Do so. For those who didn't raise your hands, you're right! Snow crystals are different from snowflakes.



A snow crystal is a single crystal of ice. In it, all the molecules of water connect together in a specific and unique shape.

A snowflake, on the other hand, is a general word that can mean an individual snow crystal, but it can also mean anything that falls from clouds in winter. Often hundreds or even thousands of snow crystals collide and stick together in mid-air as they fall. They form the puffy, white flakes we call snowflakes.

In 1885, this guy named Wilson Bentley did something cool. He attached a camera to a microscope and took the first pictures ever of a snow crystal. During his lifetime, he captured over 5,000 images of snow crystals and snowflakes. I like his name for them—"tiny miracles of beauty" and "ice flowers."

Today, we'll work on improving our observation skills as we look at snow crystals and try to figure out how they're alike and how they're different. The pictures you'll observe aren't drawings. They're real photos of actual snow crystals that show God's creativity.

Let's get into groups of two or three and we'll begin. Do so.

1. With your partner, look at your first snow crystal picture. Tell each other what you see. Be as detailed as possible. Don't use the magnifying lenses or mirrors yet. You're observing with what scientists call "the naked eye." Do so.

2. **Raise your hand if you see a six-sided shape in the center.** Do so. **Do you know what we call a six-sided shape?** Take responses—hexagon. **This is the typical shape of a snow crystal.**
3. **Raise your hand if you see arms or points sticking out from the hexagon.** Do so. **These arms grow from the corners as the crystal grows larger. As the crystals fall through the clouds, they experience different temperatures and amounts of humidity. Every change in temperature and humidity makes the arms of the crystals grow differently.**
4. **Now use the magnifying glass or hand lens and look more closely at your snow crystal. What additional things do you observe? Discuss with your partner.** Do so.
5. **Finally, let's test to see if your snow crystal has symmetry. Symmetry is when you can split something into two matching or almost matching halves. For instance, if you drew an imaginary line down your body, it would, for the most part, look about the same on both sides, so it would be symmetrical. You can test for symmetry by placing a mirror along half of the snow crystal, like this.** Demonstrate. **If it looks the same in the mirror as it does in the full picture, the snow crystal has symmetry. Take time now to use your mirror to test for symmetry.** Do so.

**Did any of you find your snow crystal has symmetry?** Take responses. **Snow crystals may look like they have symmetry, but when you take a closer look, you'll find they**

**aren't perfectly balanced. They're close, but not usually perfectly symmetrical.**

**Every snow crystal takes a slightly different pathway as it falls through the clouds. That's why no two snow crystals look exactly alike. They are all unique! And even more amazing than that is to realize God's Word, the Bible, is unique, too. It's not like any other book in the whole world. It's a one-of-a-kind treasure, written by God for us. And each one of us is unique, too! God made each of us fearfully and wonderfully with great care and purpose in His own image. He created us to bring Him glory, just like we can glorify God for the beauty of these snow crystals.**

As time allows, instruct each pair to observe other snow crystal photos at their table. Have them look to see how the crystals are alike, different, and one-of-a-kind. Encourage the kids to observe with the "naked eye," the magnifying glasses/hand lenses, and the mirrors.

### Tip Corner

- As time allows, kids can make a craft snowflake as a visual reminder. Various ideas are listed in the "More Crafts" section at the back of the book, such as the Snowflake Station and the Snowflake Coaster. You may want to make it with six sides to emphasize the typical shape of a snow crystal.
- There are also some amazing pictures of snow crystals online you may want to print off and use.
- Remind them to share at home what they saw today!

# Day 2 Experiment

## SLIP AND GRIP

### STUDYING THE ABILITY OF SALT TO "TRANSFORM" ICE AND WATER

#### Materials

##### EXPERIMENT 1

Note: This is more involved and is recommended for older kids. Leader can demonstrate for younger kids. Gather one of each of the following per child.

- Glass of very cold water (keep the water cold throughout the day by pouring it from a pitcher of ice water or a thermos)
- Ice cube (cube shape not half-moon shape)
- 5-inch piece of string
- Salt (individual packets work well)

##### EXPERIMENT 2

Note: This is simpler and is recommended for younger children. Gather one of each of the following per child.

- Ice cube (cube shape not half-moon shape)
- Small container to hold the cube
- Pinch of salt
- Magnifying glass or hand lens
- Eyedropper

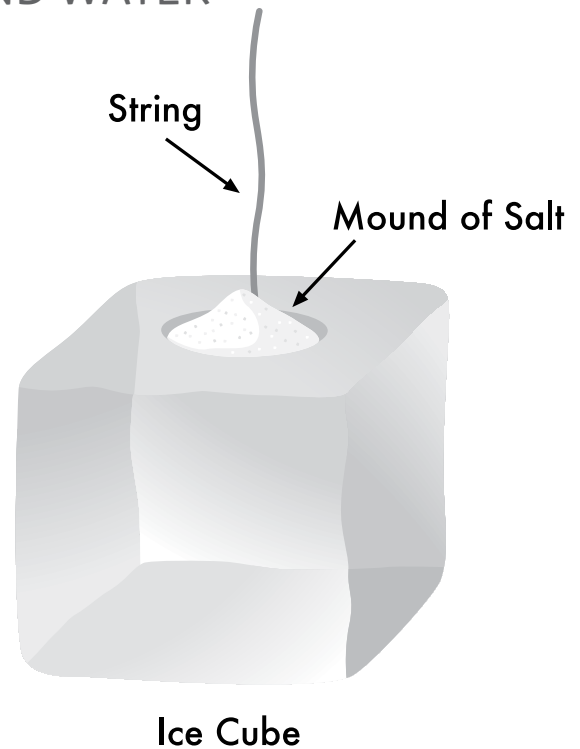
#### Class Time Directions

Today, we've been talking about the incredible impact the Bible has had on science, inventions, books, art, music, history, and people's lives. God has created other things in His world that have incredible impact, too. One of those is salt. Where can we find salt in nature? Take responses.

Salt is found in the water of oceans and seas. The world's oceans are a never-ending source of salt. Do you know why that's true? Take responses. Discuss how water can be evaporated to give us salt.

Salts are found in rocks and in the soil. As water flows from the mountains to the seas, salt gets carried into the sea and gets stuck there. Over time, more and more salt gets stuck in the ocean.

We also find large deposits of salt trapped between rocks underground. We mine that salt to use for all kinds of things. We can also find salt in soils where lakes have filled



and evaporated many times over the years, leaving the salt behind. Animals will actually look for areas where salt is at the surface and lick it. This is called a "salt lick."

##### EXPERIMENT #1

Before we talk any further, let's take an ice challenge. Put the ice cube in the glass of water. See if you can use the string to remove the ice cube from the glass of water. You must do it without getting your hands wet or letting it touch the side of the glass. Give 1–2 minutes for them to try.

Now we're going to see the incredible impact of salt. Dip one end of the string in the water to wet it. Lay that end on the ice cube. Hang the other end over the edge of the glass. Sprinkle salt on the ice cube. We'll now let the glass stand for about 2 minutes. Give time for each child to finish preparing the experiment. Then continue.

While we wait, let's talk a little more about salt.

God has created animals and humans to need a certain amount of salt to live. It helps our nerves and muscles work correctly. Let's do 10 quick jumping jacks to remind us that salt is helping those nerves and muscles work. Do so.

Salt also helps keep a balance of water in our bodies. It has even been used like medicine to treat sore throats or sinus infections.

Salt is also one of the basic human tastes. Who likes salty foods? Take responses. Tell your neighbor some salty foods you can think of and what your favorite salty food is. Do so, and have them share some of their favorites with the whole group. Salt is one of the main seasonings used around the world throughout history. It also has been used for thousands of years to preserve meat.

Here are some interesting facts about the impact of salt in history.

1. Many early civilizations started around salt mines and salt deposits.
2. Rock salt was often used to make coins or to trade as money.
3. Ancient Roman soldiers were paid with salt for their work.
4. Some groups of people actually went to war over salt.
5. Mankind is continuing to find ways to use salt. It's used for de-icing highways and in the making of paper, plastics, and rubber. Salt makes a strong glaze for pottery. It's also used in making soap and in farming.

Now let's go back to the experiment and see the impact of salt. Gently pull up on the string. It should feel like it's holding the ice. If not, add more salt and wait a few more minutes. When you're ready to try, lift the string straight up, and see what happens. Give time for each group to test the success of their experiment. The ice cube should lift up.

Explanation of result—When you placed the ice cube in the water, two things started to happen. Can you guess what the two things were? Take responses. The ice started to melt and the water cooled down. Do you know the temperature at which water freezes and melts? Take responses.

This happens at 32°F or 0°C. When God created water, He planned that melting and freezing would both happen at the same time at this special temperature. As long as the temperature stays the same at 32°F or 0°C, both will keep happening—some of the ice will melt at the same time the water is forming ice crystals. This is one of God's special creations. When we put salt on the ice cube, the balance of melting and freezing changed. The salt dissolved in the water and changed the speed of freezing. The speed of melting became faster than the speed of freezing. The water's freezing point dropped to a lower temperature, causing the ice above the water's surface to melt and then refreeze. The liquid water started to form crystals as it froze. Ice formed around the string causing the ice cube to stick to the string so you could pick it up.

## EXPERIMENT #2

**Put a pinch of salt on the middle of your ice cube. Move it to the middle of the table for 10 minutes. Observe what happens to the cube. You can use your magnifying glass/hand lens to observe any changes closer.**

**While we wait, let's talk a little more about salt.** See experiment #1 for this info.

**Now let's look at our experiment to see the incredible impact of the salt.**

Have kids share their results. They should see the salty middle of the ice cube change into water. The outside of the cube should stay frozen with only minimal melting from the room's temperature.

Use the eyedropper at the very end to remove the water and see how deeply the center has melted. Don't use it earlier, or the salt in the water will not be present to continue its "impact."

## Final Discussion for Both Experiments

Salt is mentioned in the Bible. Read Matthew 5:13. Here, we learn from Jesus that His followers are to have an incredible impact in the world, but they can't do it unless they stay "salty." What do you think Jesus meant? Take responses. Just like salt has been used to keep foods from spoiling, followers of Christ are to be a positive influence in the world. That is "incredible impact."

Another time salt is mentioned is when the apostle Paul wrote to Christians in the book of Colossians (4:6). He said that our conversation is supposed to always be full of grace, as if seasoned with salt. What do you think that means? Take responses. The words we say are always supposed to be full of God's love toward people and have a strong impact for good.

When we repent of our sins and believe that Jesus died on the Cross and rose from the dead to pay the penalty for our sins, we can become a child of God. God uses His children to impact this world in many ways, through what we say and what we do, as we learn by studying the Bible.

Some of God's children are scientists who have made discoveries based on what the Bible teaches and their knowledge of the natural laws God made. In 1864, Louis Pasteur demonstrated through experiments that life only comes from life, just as the Bible teaches. Life can't come from non-living organisms as molecules-to-man evolutionary ideas teach. Let's pray that the Lord will use our lives to impact the world with the good news of Jesus Christ! Maybe you can become a scientist who loves God's Word and explores scientific discoveries for God's glory someday!

# Day 3 Experiment

## SOLID GROUND

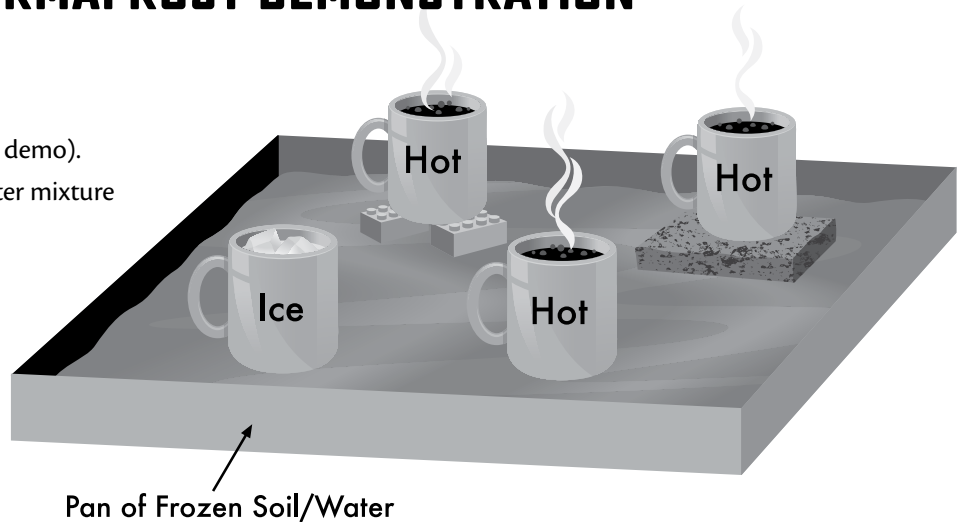
### INVESTIGATING EARTH FOUNDATIONS IN THE ARCTIC

#### PART 1: PERMAFROST DEMONSTRATION

##### Materials

Prepare 1 per table (or only 1 for an upfront demo).

- 9 x 13 cake pan with pre-frozen soil/water mixture (1–2 inches deep)
- 4 identical ceramic or glass mugs, 3 empty and 1 filled with ice
- 1 thermos of hot water
- Sponge
- 3 plastic building blocks or dominoes
- Timer



##### Pre-Prep

1. Fill a 9 x 13 cake pan 1 inch deep with soil (a mixture of clay, peat, soil, dirt, mulch, etc.). Add water to create a slightly soupy consistency, then freeze.

##### Class Time Directions

1. Place the mug of ice on the frozen soil.
2. Fill the second mug with hot water and place on the frozen soil.
3. Fill the third mug with hot water and place on the building blocks, which are on the frozen soil.
4. Fill the fourth mug with hot water and place on the sponge, which is on the frozen soil.
5. Don't let any mugs touch each other.
6. Every 10 minutes, replace the hot water that has cooled.
7. Observe and measure changes.

Today, you've been learning about the bedrock base of the Bible. As Christians, we have the Rock of God's Word to base our lives on! In the Bible, we read the story of a wise man who built his house (life) on a rock and a foolish man who built his life on sand. When a storm came, the foundation determined whether there was a disaster or if the house stood firm.

On the earth, people have many choices of where to live and what to use as the foundations for their homes, buildings, and roads. Do you know what kind of foundation your house is built on? Take responses.

In the Arctic, foundations can include rock, sand, gravel, snow, ice, and permafrost. Raise your hand if you've heard of permafrost. Wait for response. Permafrost is soil, rock, or sediment that has frozen solid for more than two years in a row. Permafrost can go down hundreds of feet into the earth. It makes a very strong and stable foundation as long as it remains frozen. If it begins to melt, though, it can turn into a soupy mess, causing the buildings above to gradually sink or collapse. Heat and pressure from buildings can cause permafrost to melt and foundations to fail.

Today, we're going to do a demonstration to show the effect of heat on a frozen foundation. Our scientific question is: *What happens to the speed of melting when different amounts of heat touch frozen soil?* We'll begin this demo, then check it occasionally throughout our time here.

We have frozen soil with water to create our own "permafrost." We're using a mug of ice, a mug of hot water, a mug of hot water on blocks, and a mug of hot water on a sponge. The blocks are like supports that hold up a building and allow air to flow underneath. The sponge is like an insulator to reduce the amount of heat touching the permafrost. Builders use insulation and air to keep as much heat away from the permafrost as possible. Every



**10 minutes we'll get new hot water, and we'll observe any changes to the frozen soil.**

During this time, introduce and work on the Snowshoe Experiment. (Or work on one of the craft options.) While working on it, check on the permafrost demo and when finished with the experiment, finish the demo with the following.

**As it happens in real life, the heat turned areas of our frozen soil into a soupy mess. Other areas were not affected as much. Unless the foundations of the buildings are improved, buildings in the Arctic can eventually collapse. Architects and engineers put buildings on stilts. This helps the outside air to circulate under the building and cool the foundation of the building. Architects can also**

**add an insulation barrier between the foundation of the building and the permafrost. This may be a layer of gravel several feet thick.**

**God tells us as Christians to be wise in making foundations for our lives (Matthew 7:24–27, 1 Corinthians 3:10–11), both physically and spiritually. When we make choices that don't line up with the Bible, we are on a shaky foundation. If we follow God and His Word, we are on a firm foundation. We want to live our lives on the solid ground of God's Word!**

Note: You may want to go online to find images of collapsed houses to show. Search for "Sinking Buildings Due to Permafrost." Print the pictures and show the kids the effects!

# Day 3 Experiment

## SOLID GROUND

### INVESTIGATING EARTH FOUNDATIONS IN THE ARCTIC

## PART 2: SNOWSHOE EXPERIMENT

### Materials

- 9 x 13 pan, 1–2 per table
- 6-inch ruler, 1–2 per table
- Rolls of masking tape, 2 per table
- 5-pound bag of flour, 1 bag for every 3 pans (gluten free option: cornstarch)
- Scissors, 3–4 per table
- Pencils, 3–4 per table
- 8½ x 11 heavy cardstock, 3–4 per table
- Medium to large plastic 4-footed animals, 3–4 per table
- Footprint Pattern (see DVD-ROM), 1 per table

### DAY 4 EXPERIMENT

- Glass container
- Pitcher of water

### Pre-Prep

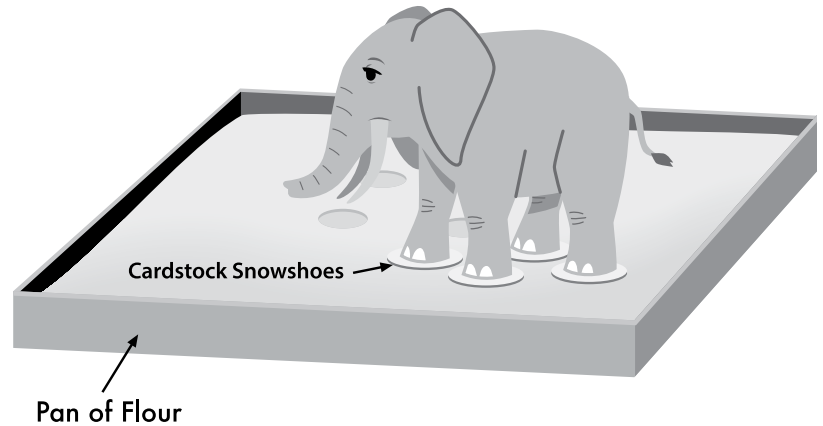
1. Fill a 9 x 13 pan half full with flour. Smooth surface with a ruler.
2. Optional: make sets of snowshoes ahead of time rather than having the kids make them to save time.

### Snowshoe Experiment (30 minutes)

Have you ever played in a big snowfall? Have you put on boots and then run out and sunk down into the snow?

Today, we're going to investigate how to walk more successfully on layers of snow. Walking on snow in the Arctic can be hard work for people and animals, no matter if the snow is packed or powdery. Snow isn't a stable foundation. God designed many of the Arctic animals with special paws and hooves that help them walk easier without sinking too deeply. People have studied these animals and have made snowshoes for themselves that use the same principles. In fact, people have used snowshoes in the Arctic for thousands of years.

To do your experiment, you need to know a very important scientific term. It's called PSI, which stands for pounds



per square inch. Snowshoes are designed thinking about the amount of pressure a body's weight puts on each square inch of snow. The greater the pressure, the deeper the person sinks into the snow. Snowshoes are made bigger than regular shoes and boots, so they spread the person's body weight over a large area. That way the feet won't sink completely into the snow. Your challenge is to create some snowshoes that will reduce the sinking of the plastic animals at your table. I'm going to talk you through some steps for this experiment, so here we go!

1. Stand your plastic figure gently on the flour in the pan.
2. Now, remove the figure and observe how deep the footprints are.
3. Next, using the cardstock and scissors, cut out your first set of snowshoes for the figure. The two basic shapes used in the Arctic are "teardrop/raindrop" shape and "wide oval/bear paw" shape. Choose one of the shapes to use for the entire experiment. Your set should have a snowshoe for each foot or paw. Show Footprint Pattern. Kids can look at the pattern, choose a shape, draw the shape on cardstock to fit their animal's feet, and then cut out the footprints.
4. Tape the snowshoes to the feet.
5. Use a ruler to spread the flour and smooth it out again.
6. Stand the plastic figure again gently on the flour.
7. Remove the figure and observe how deep the snowshoe prints are.

8. **If time, try the activity again with a bigger set of snowshoes, but remember to keep the shape the same.**
9. **Push the feet down into the flour without the snowshoes. Do so. Then, using the same pressure, try it again pushing the feet with the snowshoes into the flour. Do so. Notice any difference in how it feels trying to push the feet into the flour. Do so.**
10. **Is there any relationship between the size of the snowshoe and the depth of the hole? Raise your hand if the snowshoes in your experiment helped your animal not to sink as deeply. Take show of hands. How many found the sinking was less and less as you made larger and larger snowshoes? Take show of hands. Raise your hand**

**if you used raindrop/teardrop shapes.** Take show of hands. **Raise your hand if you used bear paw/wide oval shapes.** Take show of hands. **As we said earlier, God has created animals with the ability to not sink because of the size of their paws. God thought of everything when He made these amazing creatures!**

### **Pre-Prep for Day 4**

- At the end of class, fill a glass with water and then carefully place in the freezer. Let children watch as you fill it so they can see where the top of the water is and compare that to the level of the ice in the frozen container on Day 4. Mark where the level of water is on the glass.

# Day 4 Experiment

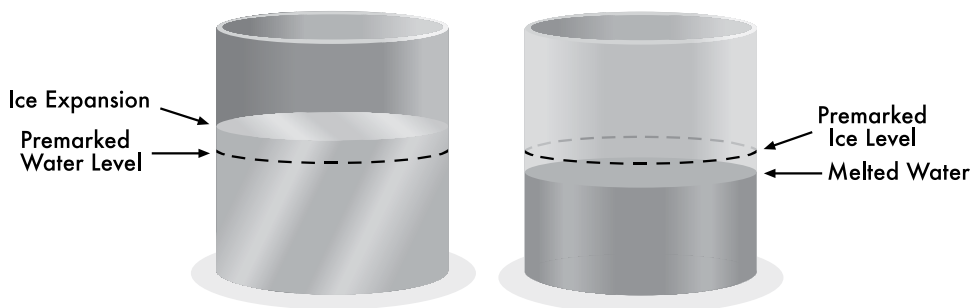
## H2OHHH!

### DISCOVERING GOD'S GIFT OF WATER TO THE EARTH

#### EXPERIMENT 1

##### Materials

- Frozen ice container from previous day
- 2-liter bottles filled with water, 1 per table
- 2-liter bottles, nozzles and tops removed, 1 per table
- Ice cubes, enough to cover the bottom of each empty 2-liter bottle without nozzles and tops
- Frozen Lake Pictures (DVD-ROM), 1 per table
- 4 x 4-inch wax paper squares, 1 per child
- Toothpicks, 1 per child
- Eyedroppers, several per table



##### Pre-Prep

1. On Day 3 during class, fill a glass with water and then carefully place in the freezer. Let children watch as you fill it so they can see where the top of the water is and compare that to the level of the ice in the frozen container today. Mark where the level of water is. And then mark where the level of ice is.

##### Class Time Directions

Today, we're focusing on the Bible as a letter of love. In the Bible, we learn that God loves us so much He gave Jesus Christ as Savior of the world. God's one-of-a-kind gift is His Son, who can save us from our sins and give us eternal life when we repent of our sins and believe in Jesus.

The Bible also tells us about another unique gift of God. Read Genesis 1:1–2. From the very beginning, God gave liquid water to the earth as a special gift. The surface of the earth is about 70% covered by water, and all living things contain water.

Let's explore several qualities of God's wonderful gift of water. Let's think about the first unique quality. Water can be found in three different forms or phases, and all three of these phases can be found somewhere on the earth. What do we call water when it's a solid? Take responses—ice. At

your table, name two places you can find ice on the earth. (Snow, glaciers, frozen tundra, frozen lakes, etc.) Did anyone also say icebergs?

**What do we call water when it's a liquid?** Take responses—water. At your table, name two places you can find liquid water on the earth. (Rivers, lakes, streams, etc.) Did anyone also say plants?

**What do we call water when it's a gas?** Take responses—steam or water vapor. Again, at your table, name two places you can find steam on the earth. (Geysers, hot springs, fog, clouds, etc.) Did anyone also say your breath?

There is another unique quality of water that God has created. Usually, any substance will contract and get smaller as it freezes, turning from a liquid to a solid. Water does just the opposite.

To show you this, let's examine the container of water we froze yesterday. Remember, we filled the glass to the rim. If you look closely, you will see the ice level is higher than the level we marked yesterday. Have a volunteer walk around to groups showing the frozen ice container. Mark where the ice level is and then allow it to melt during class and check the level again. This demonstration shows that water expands when it freezes and takes up more space.

Most substances contract and take up less space when they freeze. So this means that when water freezes it gets less dense rather than more dense. Most substances get more dense when they freeze. Density explains why something floats or sinks.

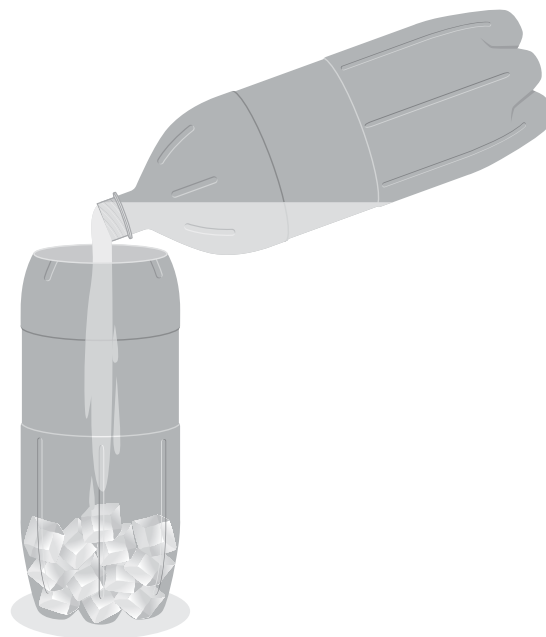
We are going to do a challenge with ice. At your table is a 2-liter bottle with ice at the bottom. You have another

2-liter bottle filled with water. Your challenge is to see if you can cover the ice cubes totally with water. Give time for the children to attempt the challenge. You should have found you couldn't do it. No matter how much water you poured into the bottle with the ice cubes, the ice couldn't be completely covered. Ice will float and always extend above the surface of the water because it's less dense.

Think about this idea. If water didn't expand and become less dense as it froze into ice, terrible things could happen on the earth. Ice would sink in lakes and oceans. It would crush plants and animals living on the bottom. As the water continued to freeze from the bottom up, other water plants and animals would also freeze and die. Fish and mammals would have shallower and shallower water in which to swim. Finally, they would get frozen into the ice as water eventually froze at the surface. The entire lake or river would be solid ice. Look at the sample pictures of what this might look like. Show Frozen Lake Pictures: pictures that show stages of a lake freezing from the bottom up. Give a minute for observation and discussion at tables. Aren't we thankful to God that He created water to expand and float as it freezes?

Water has many more unique qualities, such as the power of cohesion. Cohesion makes water molecules act like mini magnets. Water molecules are attracted to other water molecules and stick together.

Let's observe cohesion in action. Using your eyedroppers, put two small drops of water near each other on your piece of wax paper. Tap the wax paper to get the drops near each other. Observe what happens as the drops get closer and closer, almost touching each other. Allow time to explore and observe. Now take your toothpick and try to break the big water drop apart. Share with others at your table what you observed. Give a few more moments for them to attempt



2-liter bottle with nozzle cut off and ice at the bottom

this. Raise your hand if you saw your drops come together like a magnet was pulling them. You just observed water's property of cohesion that makes droplets stick together. It's a kind of electric attraction between the molecules of water.

Today, we've talked about many examples where water is truly a unique substance. We've seen that water exists in all three phases on the earth—solid, liquid, and gas. We've seen that water expands when it freezes and becomes less dense. Finally, we've observed the power of cohesion that helps water molecules stick and flow together. Only God can create such a unique liquid and give it as a special gift to the earth!

# Day 4 Experiment **H2OHHH!**

## DISCOVERING GOD'S GIFT OF WATER TO THE EARTH

### OTHER EXPERIMENTS

Next, try these other water activities if time allows.

#### Materials

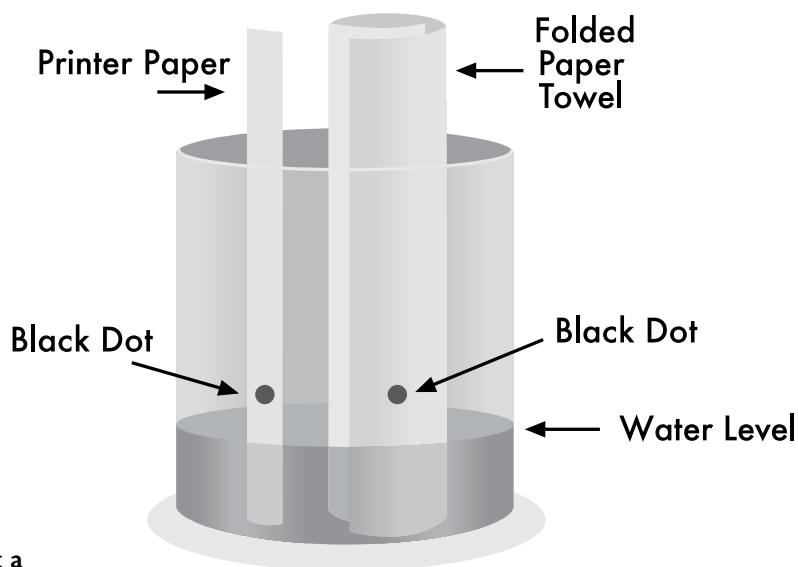
- Eyedroppers, several per table
- Pennies, 1 per child
- Bowl of water, 1 per table
- Cup with one inch of water in it, 1 per child
- Paper towels, 1 per child
- Printer paper, 1 per child
- Dark-colored markers, 1 per child
- Rulers, several per table

#### Class Time Directions

1. To demonstrate cohesion and surface tension, look at a penny. Make a prediction. How many drops of water do you think can sit on top of the penny before the water



Penny with drop of water on it



falls off? Share your predictions with someone at the table. Next, gently add water drops to the top of your penny and look at the shape of the water drop. Does it look rounded on top? Keep counting drops until the water falls off. Do so. Raise your hand if you had more water drops than you predicted. Surface tension helps the water to form a rounded shape because the water molecules stick together—the property of cohesion we talked about. Surface tension allows some things to float on top of the water. It also allows insects to walk on the surface of water without sinking.

2. To demonstrate adhesion (water molecules sticking to different molecules), fold a paper towel into a long, narrow shape. Use a marker to make a small, dark circle 2 inches above the bottom of the paper towel. Do the same with the printer paper. Then stick the ends with the dots in the water. Observe the change over time. Let children have a few minutes to do so and observe. Did you notice the water level rise in the towel and paper? Did you notice the marker color begin to rise with it? Was there

a difference in the speed of water rising in each piece of paper? Why do you think there was a difference? Adhesion is at work. Adhesion lets water get absorbed and stick to other things. That's why paper towels and cloth can absorb water. Adhesion also helps explain, in part,

how water pushes against gravity and rises in plants, so plants can get the nourishment they need.

Now we've seen through many examples that water is truly a unique substance only God can create!

# Day 5 Experiment

## ARCTIC EXPLORATION

### EXPLORING QUESTIONS AND CONDITIONS OF ARCTIC LIFE

#### Materials

- Rulers, several per table
- Non-latex gloves, 1 pair per child
- Large bowl of ice water (in the center of each table)
- Large can/bowl of vegetable shortening
- Question Cards (see DVD-ROM, 1 set per table)
- Timer

#### Pre-Prep

1. Photocopy the question cards and put each set on the tables, along with the other supplies. Adult table leaders will lead question card discussion after experiment is completed.

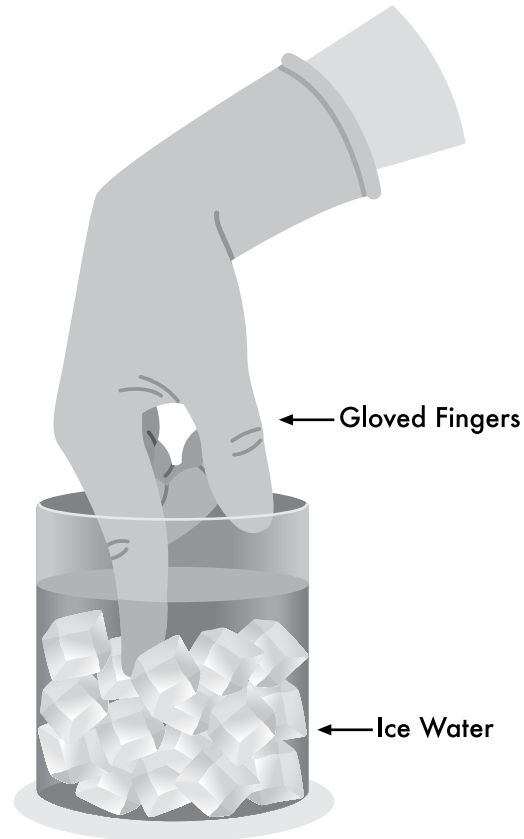
#### Class Time Directions

**What's your favorite Arctic animal?** Take responses. Today, we're going to explore questions people often have when they think about animals living in the Arctic. Our first question is: How do animals, like seals, walruses, and whales, stay warm in the icy waters of the ocean? Take a moment to discuss this at your table. Do so.

One idea people have had is that all these animals must have a thicker layer of skin or fat that helps keep them warm. This special layer of fat is called "blubber." Raise your hand if you've heard of blubber. Do so. Blubber is a thick layer of fatty tissue that acts as a heat insulator and stores energy. An insulator keeps heat from moving from one place to another. In the Arctic, that would keep heat from leaving the bodies of these animals, so they wouldn't feel the cold of the air and water. Blood vessels in the fatty tissue get smaller, so that reduces blood flow and helps reduce the amount of energy needed to heat the body. Animal blubber covers the entire body, except for the fins and flippers. Blubber may be one of the main reasons why these animals stay warm and survive from year to year in the Arctic.

Let's do an experiment to see how fat can be a good insulator of heat. This will help us think about our question—How do animals, like seals, walruses, and whales, stay warm in the icy waters of the ocean?

1. Put one glove on your hand. When I say, "Dip," dip your gloved index finger into the bowl of ice water and leave



it there for one minute. Ready, DIP! Start timer for one minute.

2. Remove your index finger from the ice water. On a scale from 1 to 10, 1 meaning "I really couldn't tell any difference" and 10 meaning "It's so cold, my finger hurts and I can't feel anything with it," decide your level of cold. Share with your table your cold number. Do so.
3. Put the other glove on your other hand. Cover that index finger with vegetable shortening. Use your hand to mold it around the finger. Use the ruler to measure the thickness of the shortening. Be sure it's about  $\frac{1}{4}$ – $\frac{1}{2}$  inch thick all around the finger.
4. On my signal, put the vegetable shortening finger into the ice water for exactly one minute. I'll be the timer. Wait one minute.
5. On a scale from 1 to 10, how cold does this finger feel? Share with your table. Do so. How does it feel compared to the finger not covered in vegetable shortening? Was



**it warmer, colder, or the same as the first finger? Share with your table.** Do so.

- 6. Before we discuss our results and conclusions, let me show you how to remove your gloves.** Demonstrate how to pull gloves off so they are inside-out. Have explorers put them in a pile in the center of the table for later clean-up.
- 7. Now let me read to you the main ingredients in vegetable shortening—soybean oil, hydrogenated palm oil, and palm oil. These oils contain saturated fat. Does**

**that sound familiar? That's right. Blubber and vegetable shortening both have fat in them. How many of you found the vegetable shortening finger was warmer?** Take show of hands. **Does this help you understand how God created these Arctic animals with the ability to survive such extreme cold?**

- 8. With the time remaining, let's explore other questions people ask about animals in the Arctic.** Read the questions on your tables and share your thoughts. Then turn the cards over to read the answers.

# Day 1 Craft

# ICEBREAKER FISHING (V. 1)

## JUNIORS & PRIMARIES

### Materials

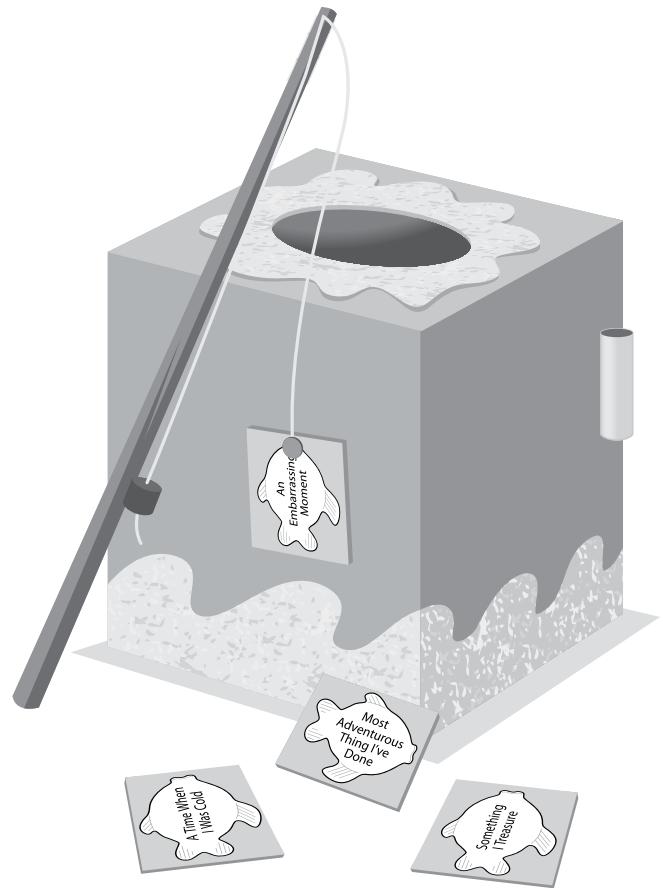
- 4 x 4 x 4-in. white gift boxes, 1 per child
- Wooden chopsticks, 1 stick per child
- Light blue craft paint, amount varies
- Epsom salt, amount varies
- Fish Cards V. 1 (DVD-ROM)
- Salmon-colored cardstock, 1 sheet per child
- Paper clips, 18 per child
- String or fish line, 18 in. per child
- Tiny ring magnets, 1 per child
- Pony beads, 1 per child
- Small glue dots, 3 per child
- Drinking straws, 1 for every 4 children

### Tools and Basic Supplies

- Office paper cutter
- Scissors
- Transparent tape
- Cotton balls
- Black permanent marker
- Ruler
- Glue sticks

### Pre-Prep

1. Cut a 3-in. diameter hole in the center of each gift box lid.
2. Cut each drinking straw into 4 equal segments.
3. Cut string or fish line into 18-in. pieces. Then tie one end of each piece to a pony bead and the other end to a ring magnet, maintaining at least 14 inches between the bead and magnet.
4. Mark a black dot 2 in. from the thicker end of each chopstick.
5. Photocopy the Fish Cards onto salmon-colored cardstock. Then cut out the two-sided fish rectangles, one complete set per child.



### Teaching Tie-In

Show the sample craft and say:

**Have any of you ever been fishing? How about ice fishing? In the Arctic, Inuits ice fish by cutting a hole in the ice. Then they put a fake fish on a line and lower it in the hole and jiggle it.**

**People in the Arctic work hard at fishing because fish provide a way to stay well fed.**

**In a similar way, it's important for us to have not only our daily food but also our daily spiritual food. Our spiritual food comes from reading the Bible. Just like we don't want to go a day without food, we don't want to go a day without our spiritual food. God has given us His Book so we can have His words to "eat." Read Jeremiah 15:16.**

**Today's craft is an Icebreaker Fishing game you can play with your family as you eat meals together. Take it home and put it on your table. It will be fun to play as you fish**

for icebreaker questions to answer together. But use it to remind you to read the Bible, too!

## Class Time Directions

1. Assemble the gift box.
2. Dab a cotton ball into the light blue paint, then gently dab around the edge of the hole in the top of the box.
3. Lightly sprinkle some Epsom salt onto the painted area. Then shake off any excess.
4. Do the same thing (dab paint and sprinkle salt) along the base of each side of the box. Then set the box aside to dry.
5. Take the chopstick and apply a glue dot over the black dot.
6. Take string (or fish line) and press the pony bead (side with hole) onto the glue dot. Then run the fish line along the chopstick and secure it to the end of the chopstick with transparent tape. The rest of the fish line (with the magnet) should be hanging from the end of the chopstick like a fishing pole.
7. Use two glue dots to attach the piece of straw vertically to the side of the box near the top. Place the “fishing pole” into the straw piece “holder” and set aside.
8. Glue stick the insides of the two-sided fish. Then place a paper clip on one side and fold the other side over, pressing securely. Repeat for every fish.
9. Place all the fish inside the box, and you’re ready to fish!

## Tip Corner

- Clothespins work well for holding cotton balls while painting.
- You don’t need as much paint as you might think. A little goes a long way!
- Do painting and salt work on large paper plates. When done, bend plate in half and pour excess salt back into the container.
- If pressed for time, paper clips can be clipped to the outside of the fish. Kids can glue them inside the fish at home.
- If ordering chopsticks or asking restaurants for donations, remember that they come in pairs!
- Epsom salt should not be ingested.

## Super Simple Idea

Each day, at least one super simple option is included, which is a pre-made craft kit from Oriental Trading Company (1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com)) that goes along with the main concepts of the day.

As an alternative to the Icebreaker Fishing, try one of the following craft kits.

- DIY Scrolls (IN-13585815)—Manufacturer does not recommend for children under 3 years of age.
- Round Snowflake Christmas Ornament Craft Kit (IN-48/1992)—Manufacturer does not recommend for children under 3 years of age.

## EASY OPERATION ARCTIC OPTIONS

These *Operation Arctic* products are easy, fun, inexpensive craft options for your kids. Check the Resource Catalog for ordering information.

- Backpack: Kids will love coloring *Operation Arctic* backpacks on the first day and using them the rest of the week! 11-5-144
- Snow Hat: Kids get to customize their own light-weight *Operation Arctic* snow hat to wear during the week! 11-5-145
- Scratch Art Set: Kids get a “northern lights” feel when they use a craft stick to scratch off these Animal Pal silhouettes to reveal a swirl of colors. 11-5-147
- Snow Goggles: Get ready for fun and games at *Operation Arctic* with these specially designed paper goggles that kids can color and wear! 11-5-148

# Day 1 Craft

# ICEBREAKER FISHING (V. 2)

## PRE-PRIMARIES & TODDLERS

### Materials

- Tissue boxes, 1 per child
- White spray paint
- Wooden chopsticks, 1 stick per child
- Light blue craft paint, amount varies
- Coarse sea salt, amount varies
- Fish Cards V. 2 (DVD-ROM)
- White cardstock, 1 sheet per child
- White iridescent chenille stems, 1 per child
- Colored chenille stems, 2 $\frac{2}{3}$  stems per child

### Tools and Basic Supplies

- Office paper cutter
- Scissors
- Glue sticks
- $\frac{1}{4}$ -in. hole punches
- Cotton balls or large pom poms\*, 1 per child
- Wooden clothespins, 1 per child
- Crayons or markers

\*Pom poms are easier to work with but also a choking hazard.

### Pre-Prep

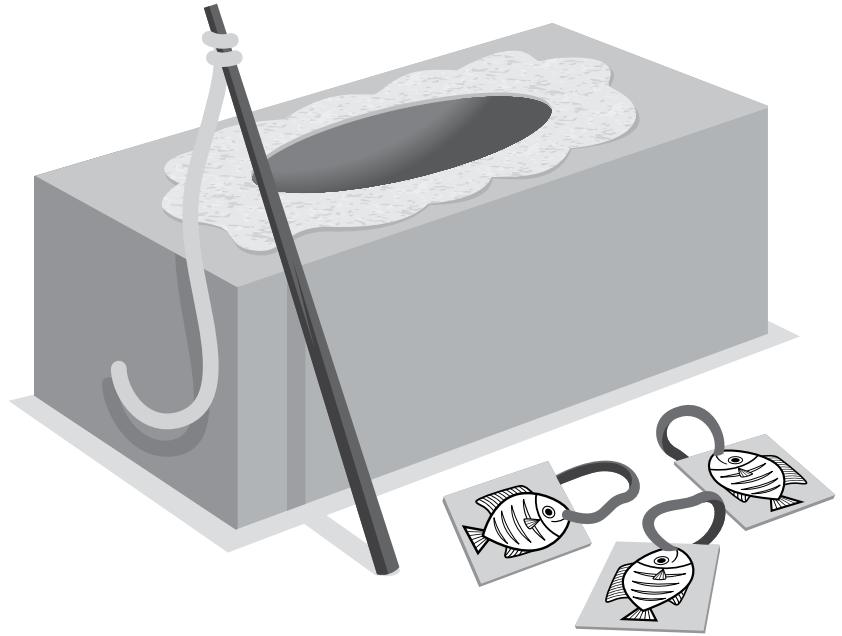
1. Spray paint the tissue boxes white.
2. Photocopy the Fish Cards onto white cardstock. Then cut out the two-sided fish rectangles, 8 per child.
3. Cut the colored chenille stems (NOT iridescent chenille stems) into thirds (4-in. pieces). Each child will need 8 pieces.

### Teaching Tie-In

Show the sample craft and say:

**Have any of you ever been fishing? How about ice fishing? In the Arctic, Inuits ice fish by cutting a hole in the ice. Then they put a fake fish on a line and lower it in the hole and jiggle it.**

**People in the Arctic fish a lot because fish are an important food for them.**



We need to eat our food every day, too, don't we? But you know what? We need to eat another kind of food—spiritual food. The Bible is full of God's words that fill us up with God's good thoughts. When we read the Bible, it's kind of like eating good thoughts to help us live wisely. We need to be reading them every day!

Today's craft is an Icebreaker Fishing game you can play with your family as you eat meals together. Take it home and put it on your table. It will be fun to play as you fish for icebreaker questions to answer together. But use it to remind you to read the Bible, too!

### Class Time Directions

1. Insert the cotton ball (or pom pom) into the clothespin. Then dip the cotton ball (or pom pom) into the light blue paint and gently dab around the hole in the top of the box.
2. Lightly sprinkle some sea salt onto the painted area. Then shake off any excess.
3. Make a "fishing pole" with the chopstick and the iridescent chenille stem. Wrap one end of the chenille stem around one end of the chopstick. Then bend the other end of the chenille stem into a hook shape.

4. Color both sides of each fish. Glue stick the insides and fold together, pressing securely. Repeat for every fish.
5. Hole punch each fish at its mouth. Then take a short chenille piece, pass it through the hole and wrap the ends together, making a loop. Repeat for every fish.
6. Place the fish inside the box, and you're ready to fish!

### Tip Corner

- You don't need as much paint as you might think. A little goes a long way!
- In lieu of paint, decorate the box with sparkly fun foam cut into small squares.

- If ordering chopsticks or asking restaurants for donations, remember that they come in pairs!

### Super Simple Idea

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- DIY Scrolls (IN-13585815)—Manufacturer does not recommend for children under 3 years of age.
- Round Snowflake Christmas Ornament Craft Kit (IN-48/1992)—Manufacturer does not recommend for children under 3 years of age.

# Day 2 Craft

# **NORTHERN LIGHTSCAPE (V. 1)**

## JUNIORS & PRIMARIES

### Materials

- Black cardstock, 1 sheet per child\*
- Pine Trees (DVD-ROM)
- Black cardstock, 1 sheet for every 6 children\*
- Snack-size zippered baggies, 1 per child
- Psalm 119:105 Verse Cards
- Blue copy paper, 1 sheet for every 26 children
- Clear (alcohol free) hair gel, 2 oz. per child
- Blue food coloring, 2 drops per child
- Yellow food coloring, 4 drops per child
- Black yarn, 18 in. per child

\*Add together for the total amount of black cardstock needed.

### Tools and Basic Supplies

- Scissors
- Glue sticks
- ¼-in. hole punch
- Transparent tape

### Pre-Prep

1. Orient black cardstock vertically, then fold in half top to bottom.
2. Cut a 6 x 3-in. rectangle out of the center of the folded cardstock to create two windows.
3. Punch a hole in the top right and top left corners of the open end of the folded cardstock approximately ½ in. from each corner.
4. Cut yarn into 18-in. pieces, 1 per child.
5. Pour 2 oz. of clear hair gel into zippered bag, 1 per child.
6. Photocopy the Pine Trees onto black cardstock. Then quick cut a set of 3 trees for each child. The kids will do the finish cutting.
7. Photocopy the Psalm 119:105 Verse Cards onto blue copy paper. Then cut out one verse for each child.

### Teaching Tie-In

Hold up the sample craft and say:



Have you ever heard of the Northern Lights? They can be seen up in the Arctic and are bright moving lights that come in many colors. Pale green and pink are the most common colors, but there are also shades of reds, yellows, greens, blues, and violets. In a place that is often very dark, the Northern Lights can really be a light to a person's path.

You know, the Bible calls itself a light to our path, too. What do you think that means when it says the Bible is a lamp to our feet and a light to our path? Take responses.

The Bible lights our way and helps us to avoid things that would cause us to stumble and sin, and it also helps us do things that bring God's light to others in our world. In places where people don't have access to a Bible to read and study, their lives are often very hopeless. They need to hear the truth from God's Word. Can you think of someone who needs a Bible so they can have the light of God's Word?

### Class Time Directions

1. Pass out baggies containing hair gel, 1 per child.
2. Place 2 drops of blue food coloring into the far left side of the baggie and 4 drops of yellow food coloring into the far right side of the baggie.

3. Seal bag tightly with the least amount of air possible.
4. Place baggie on table and press gently with your fingers to blend the colors together, but don't over blend. Be careful not to cut the bag with your fingernails.
5. Cut out the 3 pine trees. Then, with the folded black paper frame open and oriented vertically (windows above and below each other), glue stick the trees (bases only) to the bottom of the top window.
6. Lay the gel-filled baggie over the top window and the trees. Then tape it to the frame with transparent tape.
7. Glue stick the entire inside of the frame, then carefully fold shut and press firmly all around.
8. Turn the frame over and then glue stick the blue verse to the front of the frame in the area below the pine trees.
9. To hang your Northern Lightscape, tie the ends of the piece of yarn to the holes in the top two corners.

### Tip Corner

- To save ink and cardstock, make a pine tree template out of scrap cardboard (e.g., cereal boxes) for each child.

Then have the children trace 2 or 3 pine trees onto the leftover black rectangle cardstock pieces (see Pre-Prep step 2) and cut them out.

- For the younger children or to save time, precut the pine trees.
- Large pine tree punches can be found online or at craft stores like Hobby Lobby. If the punch trees are larger, just use 2 instead of 3 for each child. Or consider using a pine tree die cut if you have access to a die cut machine at a school or elsewhere.

### Super Simple Idea

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Snowflake Sand Art Bottle Necklaces (IN-13670251)—Manufacturer does not recommend for children under 3 years of age.
- Color Your Own Light of the World Light Switch Covers (IN-13733249)—Manufacturer does not recommend for children under 3 years of age.

# Day 2 Craft

# **NORTHERN LIGHTSCAPE (V. 2)**

## PRE-PRIMARIES & TODDLERS

### Materials

- White cardstock, 1 sheet for every 2 children\*
- Scratch art postcards, one 6 x 4-in. card per child
- Popsicle sticks, 1 per child
- Pine Trees (DVD-ROM)
- White cardstock, 1 sheet for every 18 children\*
- Psalm 119:105 Verse Cards (DVD-ROM)
- White cardstock, 1 sheet for every 26 children\*
- Yellow chenille stems, 1 per child

\*Add together for the total amount of white cardstock needed.

### Tools and Basic Supplies

- Scissors
- Glue sticks
- Yellow highlighters
- ¼-in. hole punch

### Pre-Prep

1. Cut some of the white cardstock into 7½ x 5½-in. rectangles, 1 per child.
2. With the rectangles oriented vertically, punch a ¼-in. hole in the top right and top left corners of each piece.
3. Photocopy the Pine Trees onto white cardstock. Then cut out 1 tree per child.
4. Photocopy the Psalm 119:105 Verse Cards onto white cardstock. Then cut out one verse for each child.

### Teaching Tie-In

Show the sample craft and say:

**Have you ever heard of the Northern Lights? They can be seen up in the Arctic and are bright moving lights that come in many colors, like green, pink, red, blue, and yellow. It's often very dark in the Arctic, and the Northern Lights can really be a light to a person's path.**

**You know, the Bible calls itself a light to our path, too. What do you think that means when it says the Bible is a light to our path?** Take responses.



**The Bible lights our way and helps us avoid things that would cause us to stumble and sin, and it also helps us do things that bring God's light to others in our world. Can you think of someone who needs a Bible so they can have the light of God's Word?** Take responses.

### Class Time Directions

1. Color the large white rectangle with a yellow highlighter—especially around the edges.
2. Use a popsicle stick to scratch the black surface of the postcard, revealing the bright colors underneath.
3. Glue stick the back of the scratch art postcard. Then center it on the large yellow rectangle and press firmly.
4. Glue stick the white tree to the bottom left or right corner of the scratch art postcard.



5. Glue stick the Psalm 119:105 verse near the top of the scratch art postcard.
6. To hang your Northern Lightscape, insert the ends of the yellow chenille stem into the holes at the corners and bend up to secure.

### Tip Corner

- Scratch art postcards can be purchased from Oriental Trading Company.
- As an alternative to cutting out the pine trees by hand, large pine tree punches can be found online or at craft stores like Hobby Lobby. Or consider using a pine tree die cut if you have access to a die cut machine at a school or elsewhere.

- You can use yellow crayons instead of highlighters, but you'll need to use glue dots instead of glue stick to attach the scratch art postcard.

### Super Simple Idea

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Snowflake Sand Art Bottle Necklaces (IN-13670251)—Manufacturer does not recommend for children under 3 years of age.
- Color Your Own Light of the World Light Switch Covers (IN-13733249)—Manufacturer does not recommend for children under 3 years of age.

# Day 3 Craft

# LIL' LOG CABIN (V. 1)

## JUNIORS & PRIMARIES

### Materials

- 4 x 4 x 3-in. corrugated cardboard boxes (see ULINE S-16725), 1 per child
- Jumbo craft sticks, 1 per child
- White poster board, one 22 x 28-in. sheet for every 12 children
- White cotton batting, one 6 x 7-in. piece per child
- Plastic drinking straws, 1 for every 2 children
- Gray or silver spray paint, amount varies
- Matthew 7:24 Verse Cards (DVD-ROM)
- Ivory copy paper, 1 sheet for every 28 children
- Door Pattern (DVD-ROM)
- Brown cardstock, 1 sheet for every 24 children
- Window Pattern (DVD-ROM)
- Yellow cardstock, 1 sheet for every 12 children
- Figurines (DVD-ROM)
- White cardstock, 1 sheet for every 3 children

### Tools and Basic Supplies

- Office paper cutter
- Glue sticks
- Pencils, 1 per child
- Crayons and/or colored pencils
- Scissors
- ¼-in. hole punch

### Pre-Prep

1. With the box, take 2 opposing top flaps and mark a point in the middle of each that is 1½ in. above the top of the box. Next, draw diagonal lines from those points down to the corners. Then cut along those lines to form triangular gables that will support the sloping roof.
2. At the peak of each gable, cut a ¾-in. vertical slit for the jumbo craft stick (ridge beam) to fit in.
3. Photocopy Matthew 7:24 Verse Cards onto ivory copy paper, then cut out 1 verse per child.
4. Photocopy Door Pattern onto brown cardstock, then cut out the doors, 1 per child.



5. Photocopy Window Pattern onto yellow cardstock, then cut out the windows, 4 per child.
6. Photocopy Figurines onto white cardstock, then cut out 1 set for each child.
7. Cut the white poster board into 6 x 7-in. pieces, then fold each piece in half to form cabin roofs. So that the roof will fit correctly, make sure the fold (ridge of the roof) runs parallel to the 6-in. side, not the 7-in. side.
8. Use a hole punch to punch a chimney hole in each roof. The hole should be at a spot that is 1 in. from the fold and 1 in. from the edge.
9. Cut the drinking straws in half, 1 piece per child.
10. Spray paint the straw pieces gray or silver.
11. Cut white batting into 6 x 7-in. pieces, 1 per child.

### Teaching Tie-In

Show the sample craft and say:

**Have you ever been on ice or some other slippery surface?** Take responses. **Did you fall?** Take responses. **It's always nice to be on firm foundation!**

**Did you know the Bible has a lot to say about what a firm foundation it is? Listen to these awesome verses.** Read Matthew 24:35, Psalm 119:89, and Isaiah 40:8.

**No matter what happens—even when heaven and earth pass away, God's Word will never pass away. Wow! It will never change.**

**Today, we're making a little log cabin. You sure wouldn't want to build a cabin on a shifting or moving foundation like ice or sand, would you? When you play with your log cabin, it can remind you of how the Bible is a firm foundation!**

## **Class Time Directions**

1. Take the box and fold the 2 opposing rectangle top flaps down inside the box. Then fold all 4 of the bottom flaps up into the box.
2. Press the jumbo craft stick into the vertical slits in the 2 triangle top flaps so they stand straight up. Adjust the craft stick so it's evenly spaced.
3. Take a pencil and on all 4 sides (and the gables) of your log cabin, draw horizontal lines about a ½ in. apart to look like logs. Go over the lines several times to darken them. Add additional lines to simulate wood grain.
4. On the front and back of the cabin, along the left and right edges, top to bottom, draw ½-in. spirals to look like the ends of logs.
5. On the front of the cabin, glue stick the door and 2 windows.
6. On the left and right sides of the cabin, glue stick one window each.
7. On the back of the cabin, glue stick the Matthew 7:24 verse.

8. Apply glue stick to the white poster board roof, then press the white cotton batting onto the roof to look like snow.
9. Slide the gray/silver straw piece through the cotton batting and through the hole in the roof far enough to form a chimney. Then, gently place the roof on top of the cabin.
10. Cut out each of the paper figurines (dad, mom, sister, brother, etc.). Color them, then bend the tabs so they will stand on their own.

## **Tip Corner**

- Consider using sandwich baggies to hold door, windows, jumbo craft stick, and figurines for each child.
- Although not as sturdy, white cardstock can be substituted for poster board.
- Some batting won't stick well to glue stick. In that case, use glue dots.
- White felt can be substituted for cotton batting. Or, use an unrolled cotton ball along the edges of the roof.
- Glue stick small strips of white paper to the window sills for an added snowy effect.

## **Super Simple Idea**

Try the following Oriental Trading Company craft kit. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Bible Magnet Craft Kit (IN-13627321)—Manufacturer does not recommend for children under 3 years of age.

# Day 3 Craft

# LIL' LOG CABIN (V. 2)

## PRE-PRIMARIES & TODDLERS

### Materials

- 4 x 4 x 3-in. corrugated cardboard boxes (see ULINE S-16725), 1 per child
- Jumbo craft sticks, 1 per child
- White poster board, one 22 x 28-in. sheet for every 12 children
- White cotton batting, one 6 x 7-in. piece per child
- Brown construction paper, approximately one 9 x 12-in. sheet for every 3 children
- Matthew 7:24 Verse Cards (DVD-ROM)
- Ivory copy paper, 1 sheet for every 28 children
- Door Pattern (DVD-ROM)
- Light brown cardstock, 1 sheet for every 24 children
- Window Pattern (DVD-ROM)
- Yellow cardstock, 1 sheet for every 12 children
- Figurines (DVD-ROM)
- White cardstock, 1 sheet for every 3 children



### Tools and Basic Supplies

- Office paper cutter
- Glue sticks
- Crayons
- Scissors

### Pre-Prep

1. Take the box and fold 2 opposing top flaps down inside the box. Then fold all 4 of the bottom flaps up into the box.
2. Take the remaining 2 opposing top flaps and mark a point in the middle of each that is 1½ in. above the top of the box. Next, draw lines from those points down to the corners. Then cut along those lines to form gables that will support the sloping roof.
3. At the peak of each gable, cut a ¼-in. vertical slit for the jumbo craft stick (ridge beam) to fit in.
4. Photocopy Matthew 7:24 Verse Cards onto ivory copy paper, then cut out 1 verse per child.

5. Photocopy Door Pattern onto light brown cardstock, then cut out the doors, 1 per child.
6. Photocopy Window Pattern onto yellow cardstock, then cut out the windows, 4 per child.
7. Photocopy Figurines onto white cardstock, then cut out 1 set for each child.
8. Cut the white poster board into 6 x 7-in. pieces, then fold each piece in half to form cabin roofs. So that the roof will fit correctly, make sure the fold (ridge of the roof) runs parallel to the 6-in. side, not the 7-in. side.
9. Cut white batting into 6 x 7-in. pieces, 1 per child.
10. Cut the brown construction paper into 4 x 1-in. strips, 8 per child.

### Teaching Tie-In

Show the sample craft and say:

**Today, we're making a little log cabin. You sure wouldn't want to build a cabin on a patch of ice that moves, would you? Your house would fall down! When you play with your log cabin, it can remind you of how firm and steady the Bible is!**

You may want to share the following verses as well.

**Listen to these awesome verses.** Read Matthew 24:35, Psalm 119:89, and Isaiah 40:8.

**No matter what happens—even if heaven and earth pass away, God's Word will never pass away. Wow! The Bible will never change.**

## Class Time Directions

1. Press the jumbo craft stick into the vertical slits in the 2 triangle top flaps so they stand straight up. Adjust the craft stick so it's evenly spaced.
2. Glue stick the brown strips horizontally to all sides of the cabin. Leave a gap between each strip to simulate wood logs.
3. On the front of the cabin, glue stick the door and 2 windows.
4. On the left and right sides of the cabin, glue stick one window each.
5. On the back of the cabin, glue stick the Matthew 7:24 verse.

6. Apply glue stick to the white poster board roof, then press the white cotton batting onto the roof to look like snow. Gently place the roof on top of the cabin.
7. Cut out each of the paper figurines (dad, mom, sister, brother, etc.) along the cut lines. Color them, then bend the tabs so they will stand on their own.

## Tip Corner

- Consider using sandwich baggies to hold brown paper strips, door, windows, jumbo craft stick, and figurines for each child.
- Although not as sturdy, white cardstock can be substituted for poster board.
- White felt can be substituted for cotton batting.

## Super Simple Idea

Try the following Oriental Trading Company craft kit. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Bible Magnet Craft Kit (IN-13627321)—Manufacturer does not recommend for children under 3 years of age.

# Day 4 Craft

# "WHITE AS SNOW" GLOBE (V. 1)

## JUNIORS & PRIMARIES

### Materials

- 9-oz. clear plastic punch cups with lids, 1 of each per child
- Small pinecones, 1 per child
- Corrugated cardboard, one 2¼-in. diameter circle per child\*
- Epsom salt, 3 T. per child
- Mod Podge®, amount varies
- Verse Tags (DVD-ROM)
- Red cardstock, 1 sheet for every 32 children
- Isaiah 1:18 Verse Cards (DVD-ROM)
- White copy paper, 1 sheet for every 72 children
- Thick jute twine, approximately 11 in. per child\*
- Glue dots, 4 per child
- Snack-size zippered baggies, 1 per child
- Optional: White glitter, amount varies

\*Sizes and lengths may vary depending on the style of plastic punch cups and lids purchased.

### Tools and Basic Supplies

- Hot glue gun
- Craft glue
- Glue sticks
- Scissors
- ¼-in. hole punch
- Small craft paint brushes

### Pre-Prep

1. Photocopy the Verse Tags onto red cardstock. Then cut out the tags and hole punch, 1 per child.
2. Photocopy the Isaiah 1:18 Verse Cards onto white copy paper. Then cut out 1 verse per child.
3. Cut the corrugated cardboard into circles that will fit into the center circle "valley" of the plastic lids (when lid is upside down).
4. Use a hot glue gun to glue a pinecone to each cardboard circle. A generous amount of glue is recommended so the pinecone won't come loose.



5. Cut jute into approximately 11-in. pieces, 1 per child. The jute should be long enough to cover the valley created by the cup lid when the cup is upside down with the lid snapped on.
6. Cut a small V-shaped notch out of the rim of each plastic lid.
7. Measure 3 T. of Epsom salt into zippered baggies, 1 per child.

### Teaching Tie-In

Show the sample craft and say:

**Have you ever had a bloody nose or a cut that bled a lot? Take responses. It's really hard to get blood stains out of clothes. But God shows us a word picture in Isaiah 1:18 that says our sins are like scarlet, the color of a blood stain. Our sins are hard to "get out" on our own. In fact, they're impossible to get out! We can't do it. But the good news is, God can! Only God can take the stain of sin from our life and make it white as snow. He sent His Son Jesus to the earth. Jesus died on the Cross, shedding His blood, because Jesus' blood was required to get rid of sin. He took the sin of the world and in exchange makes His children white as snow!**

**Have you ever taken a walk through freshly fallen snow that has no dirt or stains on it yet? That's the picture God is giving to those who ask for His forgiveness of their sins and who realize they need Jesus as their Savior. Where are you in your life? Have you realized your sinfulness and your need for a Savior? Talk to someone today if you are wondering about that.**

**Let's use today's craft as a reminder to thank God for His ability to make our sins be as white as snow.**

### ***Class Time Directions***

1. Pour the Epsom salt into the cup.
2. Place cup lid upside down in front of you. Then attach the pinecone on its cardboard base to the center of the lid with 4 glue dots.
3. Use a paint brush to apply Mod Podge® to the tips of the pinecone scales, the cardboard base, and the surrounding plastic lid.
4. Take the lid (with the pinecone), turn it over, and snap it onto the cup. Then turn the cup over, letting the Epsom salt wash over the wet Mod Podge® so that some will stick to the pinecone and the surrounding base.
5. Glue stick the verse card onto the tag. Then thread the verse tag onto the piece of jute.
6. A small V-shaped notch has been cut out of the lid rim to accommodate the verse tag. Avoiding the V-shaped notch, apply a bead of craft glue into the valley created by the cup lid.

7. Gently press the jute into the glue so the verse tag fits into the V-shaped notch and the jute lies flat all the way around the cup.
8. Optional: If there is embossed lettering on the bottom of the cup (top of the snow globe), apply glue stick and a thin layer of white glitter.

### **Tip Corner**

- Apply a thin layer of Mod Podge® to the verse tag to stiffen and protect it.
- Glue stick can be used in lieu of Mod Podge® and small craft paint brushes (Step 3).
- Baby wipes (cut in half) work well for removing glue from sticky fingers.
- Epsom salt should not be ingested.

### **Super Simple Idea**

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Journey to the Cross Thumbprint Sign Craft Kit (IN-13720343)—Manufacturer does not recommend for children under 3 years of age.
- Magic Color Scratch Snow Globe Stand-Ups (IN-13670279)—Manufacturer does not recommend for children under 3 years of age.

# Day 4 Craft

# "WHITE AS SNOW" GLOBE (V. 2)

PRE-PRIMARIES & TODDLERS

## Materials

- 9-oz. clear plastic punch cups with lids, 1 of each per child
- White crinkle cut shredded paper, 1 pinch per child
- Blue crinkle cut shredded paper, 1 pinch per child
- Rice, 1 spoonful per child
- Confetti snowflakes, 4 or 5 per child
- Isaiah 1:18 Verse Cards (DVD-ROM)
- White copy paper, 1 sheet for every 72 children
- Cross/Bible stickers, 4 per child (11-5-088)
- Blue yarn, approximately 11 in. per child\*
- Snack-size zippered baggies

\*Length may vary depending on the style of plastic punch cups and lids purchased.

## Tools and Basic Supplies

- Glue sticks
- Plastic spoons
- Scissors

## Pre-Prep

1. Photocopy the Isaiah 1:18 Verse Cards onto white copy paper. Then cut out one verse per child.
2. Cut yarn into approximately 11-in. pieces, 1 per child. The yarn should be long enough to cover the valley created by the cup lid when the cup is upside down with the lid snapped on.

## Teaching Tie-In

Show the sample craft and say:

**We're making a snow globe today with something special inside it. Does anyone know what that is? Yes, a cross! Every time you see a cross, it should remind you that Someone loves you more than anyone in the whole world. Do you know who that Someone is? Yes! It's the Lord Jesus Christ! He loves you so, so much that He came to the earth, died on the Cross, and rose from the dead to make a way for you to spend forever with Him!**



## Class Time Directions

1. Press one cross (or Bible) sticker onto the top of the lid, covering the straw hole.
2. With the cup in front of you, add a pinch of white crinkle paper, a pinch of blue crinkle paper, a spoonful of rice, and 4 or 5 confetti snowflakes.
3. Glue stick the top and side of the rim of the cup.
4. Snap the lid onto the cup.
5. Press the blue yarn into the gap between the lid and the cup. It should stick to the glue stick that was applied to the side of the rim in Step 3.
6. Add the remaining 3 cross stickers to the outside of the cup, evenly spaced.
7. Glue stick the verse card to the bottom of the cup (top of snow globe).

## Tip Corner

- Baby wipes (cut in half) work well for removing glue from sticky fingers.



## Super Simple Idea

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Journey to the Cross Thumbprint Sign Craft Kit (IN-13720343)—Manufacturer does not recommend for children under 3 years of age.
- Magic Color Scratch Snow Globe Stand-Ups (IN-13670279)—Manufacturer does not recommend for children under 3 years of age.

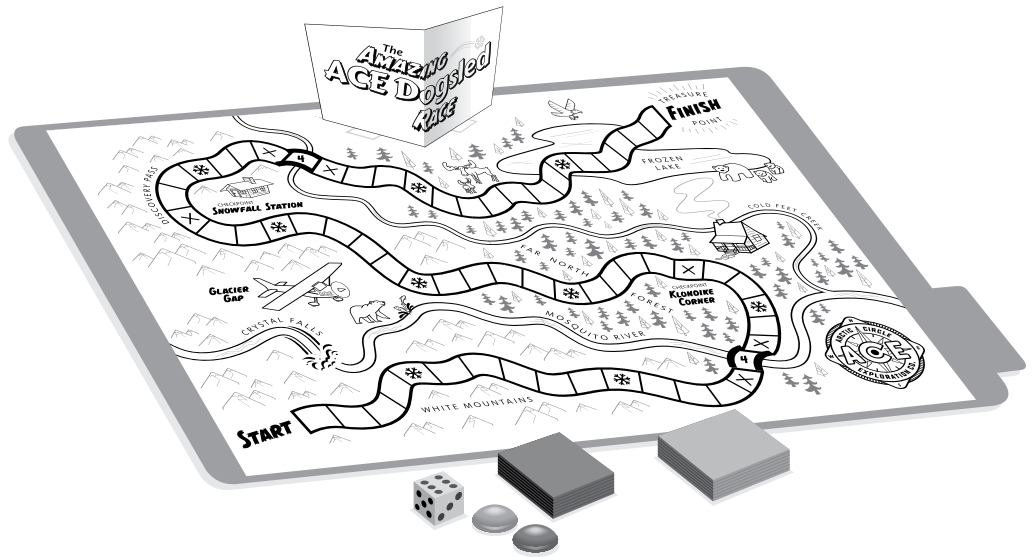
# Day 5 Craft

# ***THE AMAZING ACE DOGSLED RACE***

## JUNIORS & PRIMARIES

### Materials

- Colored file folders, 1 per child
  - Game Board (2 pages, DVD-ROM)
  - White cardstock, 2 sheets per child\*
  - Accessories and Directions (DVD-ROM)
  - White cardstock, 1 sheet per child\*
  - Question Cards (3 pages, DVD-ROM)
  - Blue cardstock, 3 sheets per child
  - Action Cards (DVD-ROM)
  - Orange cardstock, 1 sheet per child
  - Dice, 1 die per child
  - Small clear (14 mm) glass gems, 2 per child
  - Rubber bands, 2 per child
  - Gallon-size zippered baggies, 1 per child
- \*Add both together for the total amount of white cardstock needed.



3. Photocopy the Question Cards (3 pages) onto blue cardstock. Then cut the cards out and rubber band 1 set per child.
4. Photocopy the Action Cards onto orange cardstock. Then cut the cards out and rubber band 1 set per child.
5. Place a file folder, a set of game board sheets, a game accessories half sheet, a directions half sheet, a die, 2 glass gems, a set of question cards, and a set of action cards in a gallon-size zippered baggie for each child.

### Tools and Basic Supplies

- Office paper cutter
- Glue sticks
- Scissors
- Markers, crayons, highlighters, colored pencils

### Pre-Prep

1. Photocopy the 2-page Game Board onto white cardstock, 1 set per child. Then use a paper cutter to trim away the margins (dashed lines) and blank areas from the left and right sides of each sheet. The pages should fit together so any gap in the game "path" is minimal.
2. Photocopy the Accessories and Directions onto white cardstock. Then cut the sheets in half where indicated, 1 set per child.

### Teaching Tie-In

Show the sample craft and say:

**This week, we've had a ton of fun and learned a lot about the Bible, the most precious, priceless book ever, haven't we? Today, we'll end with a great game called the Amazing ACE Dogsled Race that we can play to keep the VBS fun going. The husky dogs on our dogsled race can remind us to be eager and excited to explore God's Word, just like they're always eager and excited to race. When it comes to the Bible, let's learn it, love it, and live it!**

### Class Time Directions

1. Use highlighters to color the two dog faces on the game accessories sheet, but NOT the same color. Then cut them out.

2. To make your game pieces, apply glue stick directly to the dog faces and press each (face up) onto the bottom of a glass gem. Then set aside to dry.
3. Use markers, crayons, highlighters, or colored pencils to color the two game logos on the game accessories sheet. Then cut out the folder logo (the one without the tabs) and glue stick to the front of the file folder.
4. Glue stick the two game board sheets to the inside of the file folder so the pages meet (and line up) at the fold in the center. "START" should be in the lower left corner and "FINISH" should be in the upper right corner. Be sure the pages stop at the fold so the folder will shut properly.
5. Cut out the pop-up logo (with the tabs). Then carefully cut along the dashed line to divide the tabs in half. Then fold the logo exactly in half so the print is on the outside and the corners and tabs meet together. Then open (unfold) the logo. Next, carefully fold the 2 "outside" (far left and far right) tabs toward you, and the two "inside" tabs away from you. With the tabs folded as such, the logo should now be able to stand up on its own.
6. Glue stick the pop-up logo (tabs only) to the top center of the game board so that the bottom of the logo lines up with the angled dashed line and the fold in the logo

lines up exactly with the fold in the folder. The logo should lie down when the folder is closed and pop up when the folder is opened.

7. Use markers, crayons, highlighters, or colored pencils to color the game board.
8. Now you're ready to read the directions and play the game!

### Tip Corner

- Provide extra game logo sheets available for ones that are cut incorrectly or damaged.
- Instead of coloring the dog faces to differentiate the game pieces, purchase two different colors of glass gems (instead of clear).

### Super Simple Idea

Try one the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Color Your Own Bible Covers (IN-48/3305)—Manufacturer does not recommend this for children under 3 years of age.
- Books of the Bible Craft Kit (IN-48/1426)—Manufacturer does not recommend this for children under 3 years of age.

# Day 5 Craft

# TREASURE BOX

## PRE-PRIMARIES & TODDLERS

### Materials

- Clamshell (paper or corrugated) sandwich containers, 1 per child
- Silver or gold spray paint
- Foam stickers, amount varies
- Craft foam, amount varies

### Tools and Basic Supplies

- Markers
- Scissors
- Glue sticks

### Pre-Prep

1. Spray paint the containers silver or gold.
2. Cut the craft foam to fit the inside bottom of the container, 1 piece per child.

### Teaching Tie-In

Show the sample craft and say:

**Isn't this a cool treasure box? You can keep little treasures in it. But remember—the greatest treasure by far is the Bible. Keep remembering to learn it, love it, and live it!**

### Class Time Directions

1. Glue stick the craft foam to the inside bottom of the treasure box.
2. Decorate the outside of the treasure box with markers and foam stickers.



### Tip Corner

- Avoid foam containers. They can't be spray painted.
- Ask fast food restaurants to donate corrugated sandwich containers or offer to pay a nominal amount.
- As an alternative to sandwich containers, you can use baby wipe containers or small corrugated cardboard mailers (boxes) available at [ULINE.com](http://ULINE.com).
- Remind the children that the best treasure in the whole world is the Bible.

### Super Simple Idea

Try one of the following Oriental Trading Company craft kits. (Call 1-800-875-8480 or visit [orientaltrading.com](http://orientaltrading.com).)

- Color Your Own Bible Covers (IN-48/3305)—Manufacturer does not recommend for children under 3 years of age.
- Books of the Bible Craft Kit (IN-48/1426)—Manufacturer does not recommend for children under 3 years of age.

# Extra Craft

# BLIZZARD IN A BOTTLE

ALL AGES

## Materials

- 8-oz. plastic water bottles with lids, 1 per child
- Bottle Labels (DVD-ROM)
- White copy paper, 1 sheet for every 15 children
- Silver glitter, 1 t. per child
- White iridescent glitter, 1 t. per child
- White electrical tape, 5 in. per child



## Tools and Basic Supplies

- Funnels
- Teaspoon measuring spoons
- Scissors
- Glue sticks or craft glue

## Pre-Prep

1. Remove labels from water bottles.
2. Photocopy Bottle Labels onto white copy paper. Then quickly cut the labels, 1 per child. The kids will do the finish cutting.

3. Fill bottles with water to within a ½ in. of the top.

## Class Time Directions

1. Unscrew the cap from the bottle, being careful not to spill any water.
2. Measure out 1 t. of silver glitter and use a funnel to pour into top of bottle.
3. Measure out 1 t. of white iridescent glitter and pour into top of bottle.
4. Screw cap on firmly.
5. To secure the cap, wrap it tightly with a piece of electrical tape.
6. Be sure your hands and the outside of the bottle are dry. Then trim the Blizzard in a Bottle label (if necessary) and glue it to the outside of the bottle over the adhesive residue where the water bottle label used to be.
7. Shake the bottle and watch the blizzard!

## Tip Corner

- A single drop of blue dish detergent in each bottle will help prevent the glitter from sticking together and will also keep it suspended a little longer.
- New (unopened) water bottles are relatively inexpensive if you need to buy them for this craft. It also saves some pre-prep by not having to fill them!

# Extra Craft

# **BOOK OF BOOKS SOAP BIBLE**

## ALL AGES

### Materials

- Travel size bar soap, 1 per child
- Black felt, amount varies
- Red yarn or ribbon, amount varies
- Cross stickers, 1 per child

### Tools and Basic Supplies

- Office paper cutter or scissors
- Craft glue

### Pre-Prep

1. Cut black felt into rectangles just large enough to cover the bars of soap like a book cover (front, back, and "binding").
2. Cut red yarn or ribbon into pieces just long enough to simulate a bookmark sticking out by a ¼ inch top and bottom.

### Class Time Directions

1. Remove packaging from bar of soap.
2. Apply craft glue to one side of the black felt.
3. With the felt oriented horizontally in front of you, lay the piece of red yarn (or ribbon) vertically down the center of the felt. It should overhang evenly top and bottom.



4. Lay the bar of soap vertically on the right side of the sticky felt almost touching the red yarn (or ribbon). Then wrap the other side of the sticky felt onto the top of the bar of soap.
5. Add a cross sticker to the front of your soap Bible.

### Tip Corner

- Sticky back felt can be used for this craft.

# Extra Craft

# SNOWFLAKE COASTER

## ALL AGES

### Materials

- 3½-in. diameter wood logs, one ¾-in. thick wood slice per child
- Snowflake Circle Pattern (DVD-ROM)
- White copy paper, 1 sheet for every 6 children
- Mod Podge®, amount varies
- Sticky back craft foam, 1-in. square piece per child

### Tools and Basic Supplies

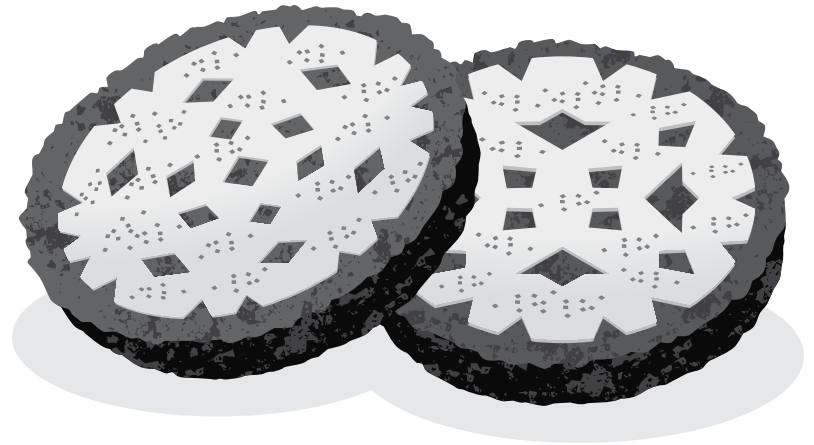
- Power miter or circular saw
- Office paper cutter
- Scissors
- Child paint brushes

### Pre-Prep

1. Use a power saw to cut the wood logs into ¾-in. thick slices, one per child.
2. Photocopy the Snowflake Circle Pattern onto white copy paper, then cut out a circle (along the dashed lines) for each child. The kids can do the finish cutting.
3. Cut the craft foam into 1-in. square pieces. Then divide each square into fourths. Each child will need four ½-in. square pieces.

### Class Time Directions

1. Remove the paper backing from the four small foam pieces. Then press the sticky side of each piece onto the bottom of the wood slice—evenly spaced and in the four “corners” of the circle.



2. Use scissors to cut out the paper circle.
3. Fold the paper circle in half. Then fold the half circle in half again to make a quarter circle. Then fold the quarter circle in half to make a pie shape.
4. Now carefully cut small random shapes out of the pie shape on all 3 sides. Then open the pie shape to see your round snowflake.
5. Apply Mod Podge® on one side of the round snowflake. Then press it onto the top of the wood slice.
6. Apply Mod Podge® to the top of the snowflake, sealing it to the wood slice.

### Tip Corner

- Snowflake Coasters can also make great Christmas ornaments by drilling a small hole near the top for hanging.
- Wooden discs (wood slices) are available for purchase online from various companies.

# Extra Craft

# **FLEECE HEADBAND**

## ALL AGES

### Materials

- ☐ Colored fleece, one 24 x 3-in. piece per child

### Tools and Basic Supplies

- ☐ Scissors

### Pre-Prep

1. Cut fleece into 24 x 3-in. bands, 1 per child.
2. Take each fleece band and bring the ends together. Then make short (2-in. deep) cuts to the ends to create 3 strips on each end.

### Class Time Directions

1. Take your fleece band and bring the ends together so the small strips line up.
2. Tie opposing strips together with 2 regular knots, but not too tightly, as fleece can tear.

### Tip Corner

- You may want to have the kids do the pre-prep steps during class time.



- Have some extra fleece bands available to replace those that get torn.
- Fleece can be overstretched, so treat it gently!



# Extra Craft

# **BABY SNOWY OWL**

## ALL AGES

### Materials

- Small pinecones, 1 per child
- Black spray paint, amount varies
- White eyelash or fur yarn, amount varies\*
- White round (¼-in. center) reinforcement labels, 2 per child
- Black construction paper, one 9 x 12-in. sheet for every 54 children
- Glue dots, 3 per child

\*Amount needed depends on the size of the pinecones and the furriness of your yarn. It could range from as little as 1 ft. per child to as much as 6 ft. per child.

### Tools and Basic Supplies

- Office paper cutter
- Scissors
- Yellow highlighters, crayons, or markers

### Pre-Prep

1. Spray paint the pinecones black.
2. Determine how much yarn is needed to fill one of your pinecones. Then cut the yarn into pieces of adequate length for each child.
3. Cut the black construction paper into 1 x 2-in. pieces, 1 per child.

### Class Time Directions

1. Slowly and carefully weave the yarn around the pinecone between the scales. Fill all the nooks and crannies as best you can from top to bottom.



2. Press the two round white reinforcement labels onto the piece of black construction paper. Then color the labels yellow and cut them out, leaving a thin black border around each circle. These will be the eyes for the owl.
3. With the black construction paper that remains, cut out a long triangle shape for the beak of the owl.
4. Use glue dots to attach each eye to a protruding scale. Then add the beak just below the eyes, also attaching it to a scale with a glue dot.

### Tip Corner

- Snowy owl not sitting straight? Use an upside down plastic jug cap (milk or orange juice) as a base for the owl to sit upon.

# MORE CRAFTS FOR ALL AGES

## SNOWFLAKE STATION

### Suggested Materials (Amounts Vary)

- White, silver, and blue shades of copy paper
- Coffee filters in various sizes
- Paper towels or dryer sheets
- Sparkly chenille stems and pony beads
- Snowflake stickers or fun foam shapes
- Yarn (for hanging snowflakes)

### Tools and Basic Supplies

- Tape
- Scissors
- Staplers
- Glue sticks
- Markers

### Pre-Prep

The above materials, tools, and basic supplies are just suggestions. Gather whatever you'd like to include for an open-ended snowflake station where the kids can make different kinds, colors, and sizes of snowflakes. You may want to get online and watch tutorials or read how to make a variety of snowflakes, such as 3D snowflakes, coffee filter snowflakes, traditional snowflakes made from folded and cut copy paper, paper towel or dryer sheet snowflakes, tie dye snowflakes, etc.

### Class Time Directions

Kids create their own unique snowflakes with the supplies provided.

### Tip Corner

- Use this area as a fun place for the kids to go after they've finished their main craft.
- Display a few samples to fuel their imaginations.

## MEMORY GAME

### Materials

- Cardstock, 2 sheets per child
- Memory Game Cards (DVD-ROM)
- Snack-size zippered baggies, 1 per child

### Tools and Basic Supplies

- Office paper cutter
- Crayons or colored pencils

### Pre-Prep

1. Photocopy the Memory Game Cards onto cardstock, 2 sheets per child.
2. Cut out the squares with the paper cutter.
3. Place the squares into zippered baggies. You should have twelve sets of pictures (twenty-four squares) per baggie.

### Class Time Directions

1. Color the pictures with light-colored crayons or colored pencils, being careful not to press too hard so an impression isn't made on the blank side.
2. To play, lay the squares out on a table with the pictures facing down.
3. Players take turns flipping cards over two at a time, trying to find a match. If a match is found, the player keeps those two. If a match is not found, flip them back over.
4. Continue play until all matches have been found. The player with the most matches wins.

### Tip Corner

- Use fewer sets for younger children.
- This game can also be played by one person, finding all matches in a designated time period.

## MEMORY VERSE POSTERS

### Materials

- White cardstock

### Tools and Basic Supplies

- Markers

### Pre-Prep

1. Prepare a reference sheet of the daily memory verses. (See the Resource DVD-ROM for a listing of the daily memory verses.)
2. Make one or more sample posters, incorporating a memory verse.

### Class Time Directions

Kids design and color their own posters. The more creative, the better!

### Tip Corner

- Place these in a prominent location during the week for all to enjoy. Send them home on the last day of VBS or after the closing program.
- Use these posters to reinforce the memory verse of the day.

## STEP-BY-STEP DRAWINGS

### Materials

- Step-by-Step Drawings (DVD-ROM)
- White copy paper

### Tools and Basic Supplies

- Markers, crayons, or colored pencils

### Pre-Prep

Photocopy the Step-by-Step Drawings onto white copy paper.

### Class Time Directions

When the kids have extra time, they can work on the Step-by-Step Drawings.

### Tip Corner

- The finished drawings can be cut out and added to the Wall Mural.

## WALL MURAL

### Materials

- Blue roll paper
- White copy paper
- Optional: A variety of clip art images (DVD-ROM)

### Tools and Basic Supplies

- Markers, scissors, glue sticks

### Pre-Prep

1. Hang a large piece of roll paper on an empty wall.
2. Photocopy a variety of clip art images from the Resource DVD-ROM and place at this station.

### Class Time Directions

1. On a piece of white copy paper, use your imagination or the clip art images on display to draw and color an image that coincides with the Arctic theme.
2. Cut out the artwork and glue to the roll paper.

### Tip Corner

- Hang the completed mural in a prominent location on the last day of VBS or during the closing program so all can see.



# SCIENCE EXPERIMENTS SUPPLY LIST

## Day 1: It's S'now Unique!

- Dried apple slices (hidden in a lunch bag), 1 per child
- Snow Crystal Photos (see DVD-ROM), 2 sets per table
- Non-breakable magnifying glasses, 1 for every 2 children
- Non-breakable mirrors (simple rectangular), 1 for every 2 children

## Day 2: Slip and Grip

### EXPERIMENT 1

- Glass of very cold water (keep the water cold throughout the day by pouring it from a pitcher of ice water or a thermos)
- Ice cube (cube shape not half-moon shape)
- 5-inch piece of string
- Salt (individual packets work well)

### EXPERIMENT 2

- Ice cube (cube shape not half-moon shape)
- Small container to hold the cube
- Pinch of salt
- Magnifying glass or hand lens
- Eyedropper

## Day 3: Solid Ground

### PART 1: PERMAFROST DEMONSTRATION

- 9 x 13 cake pan with pre-frozen soil/water mixture (1–2 inches deep)
- 4 identical ceramic or glass mugs, 3 empty and 1 filled with ice
- 1 thermos of hot water
- Sponge
- 3 plastic building blocks or dominoes
- Timer

### PART 2: SNOWSHOE EXPERIMENT

- 9 x 13 pan, 1–2 per table
- 6-inch ruler, 1–2 per table
- Rolls of masking tape, 2 per table
- 5-pound bag of flour, 1 bag for every 3 pans (gluten free option: cornstarch)
- Scissors, 3–4 per table
- Pencils, 3–4 per table
- 8½ x 11 heavy cardstock, 3–4 per table
- Medium to large plastic 4-footed animals, 3–4 per table
- Footprint Pattern (see DVD-ROM), 1 per table

### DAY 4 EXPERIMENT (PREPARED ON DAY 3)

- Glass container
- Pitcher of water

## Day 4: H2Ohhh!

### EXPERIMENT 1

- Frozen ice container from previous day
- 2-liter bottles filled with water, 1 per table
- 2-liter bottles, nozzles and tops removed, 1 per table
- Ice cubes, enough to cover the bottom of each empty 2-liter bottle without nozzles and tops
- Frozen Lake Pictures (DVD-ROM), 1 per table
- 4 x 4-inch wax paper squares, 1 per child
- Toothpicks, 1 per child
- Eyedroppers, several per table

### OTHER EXPERIMENTS

- Eyedroppers, several per table
- Pennies, 1 per child
- Bowl of water, 1 per table
- Cup with one inch of water in it, 1 per child
- Paper towels, 1 per child
- Printer paper, 1 per child
- Dark-colored markers, 1 per child
- Rulers, several per table

## Day 5: Arctic Exploration

- Rulers, several per table
- Non-latex gloves, 1 pair per child
- Large bowl of ice water (in the center of each table)
- Large can/bowl of vegetable shortening
- Question Cards (see DVD-ROM, 1 set per table)
- Timer

# MISSION MOMENT SUPPLY LIST

### EVERY DAY

- Slides for Mission: Hope Excursion for each day (Hope Excursion DVD-ROM)
- Video for Mission: Hope Excursion for each day (Hope Excursion DVD-ROM)
- Wild Brothers video for each day (Resource DVD-ROM)
- "Map of the World" activity sheet, 1 per child (Hope Excursion DVD-ROM)

- Prayer journal for each day, 1 per child (Hope Excursion DVD-ROM)
- Glue
- Child safety scissors

### DAY 1

- Coin bank, 1 per child
- Chairs, for playing musical chairs
- Top of the World Tunes* CD
- Music player device

### DAY 2

- 25–50 pennies

### DAY 3

- A bag of various coins

### DAY 5

- White paper, 1 piece per child
- Coloring supplies: pencils, crayons, markers
- Backpack or duffle bag